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Alma College,,



ALMA,
MICHIGAN.

91-1900.

UNIVERSITY OF MICHIGAN

1891

1891

CATALOGUE
OF
ALMA COLLEGE

FOR THE YEAR 1899-1900

WITH ANNOUNCEMENTS FOR THE YEAR

1900-1901

ALMA, MICHIGAN

PUBLISHED BY
THE COLLEGE
1900

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ANNOUNCEMENTS FOR 1900-1901.

1900.

4 April	Wednesday	THIRD TERM begins
15 June	Friday	Freshman Exhibition
18 June	Monday	Final Examinations begin
24 June	Sunday	Baccalaureate Sermon 7:30 p. m.
25 June	Monday	CLASS DAY Examinations 9:00 a. m. Class Day Exercises 3:00 p. m. Graduating Exercises of the Commercial Department 8:00 p. m.
26 June	Tuesday	Graduating Exercises of the Kindergarten Department 10:00 a. m. Annual Concert 8:00 p. m.
27 June	Wednesday	ALUMNI DAY Graduating Exercises of the Academy 10:00 a. m. Public Exercises of the Alumni Association 3:00 p. m. Address before Christian Associations 8:00 p. m.
28 June	Thursday	COMMENCEMENT 10:00 a. m. President's Reception 8:00 to 10:00 p. m.

SUMMER VACATION.

18 Sept.	Tuesday	Entrance Examinations
19 Sept.	Wednesday	FIRST TERM begins
29 Nov.	Thursday	Thanksgiving Day Recess
21 Dec.	Friday	FIRST TERM ends

1901

WINTER VACATION.

3 Jan.	Thursday	SECOND TERM begins
25 Jan.	Friday	Sophomore Exhibition
1 Feb.	Friday	Junior Exhibition
4 Feb.	Monday	Semi-Annual Examinations begin
8 Feb.	Friday	FIRST SEMESTER ends
11 Feb.	Monday	SECOND SEMESTER begins
22 March	Friday	SECOND TERM ends

SPRING VACATION.

3 April	Wednesday	THIRD TERM begins
7 June	Friday	Freshman Exhibition
20 June	Thursday	COMMENCEMENT

IN NOMINE DEI, AMEN.

Resolved, That in view of all the facts brought before us, we will, with God's help, establish and endow a college within our bounds.

Synod of Michigan, Grand Rapids, Oct. 14, 1886.

THE CORPORATION.

TRUSTEES.

Class of 1900—

HON. FREDERICK W. WHEELER, West Bay City.

EDGAR A. BAGLEY, M. D., Alma.

JOHN KELTON, ESQ., West Bay City.

JOHN F. SEELEY, ESQ., Caro.

REV. OTIS A. SMITH, D. D., Bay City.

Class of 1901—

HON. NATHAN B. BRADLEY, Bay City.

REV. THEODORE D. MARSH, D. D., Grand Rapids.

REV. DAVID HOWELL, Lansing.

ROBERT S. TRACY, ESQ., Sturgis.

JOHN W. S. PIERSON, ESQ., Stanton.

Class of 1902—

HON. RUSSELL A. ALGER, Detroit.

JAMES R. WYLIE, ESQ., Grand Rapids.

HON. JOHN M. LONGYEAR, Marquette.

AMMI W. WRIGHT, ESQ., Alma.

LEONARD LAURENSE, ESQ., Detroit.

Class of 1903—

WILLIS T. KNOWLTON, ESQ., Saginaw.

REV. DAVID M. COOPER, D. D., Detroit.

THOMAS MERRILL, ESQ., Saginaw.

CHARLES STINCHFIELD, ESQ., Detroit.

CHARLES H. DAVIS, ESQ., Saginaw.

OFFICERS OF THE BOARD OF TRUSTEES.

HON. NATHAN B. BRADLEY, Chairman.
PROF. JOSEPH W. EWING, Secretary.
AMMI W. WRIGHT, ESQ., Treasurer.

EXECUTIVE COMMITTEE.

AMMI W. WRIGHT, ESQ., Chairman.
HON. NATHAN B. BRADLEY.
REV. AUGUST F. BRUSKE, D. D., *ex-officio*.
THOMAS MERRILL, ESQ.
EDGAR A. BAGLEY, M. D.
HON. FREDERICK W. WHEELER.
PROF. JOSEPH W. EWING, *ex-officio*, Secretary.

LADIES' ADVISORY BOARD.

MRS. AUGUST F. BRUSKE.
MISS MARY A. CLARKE.
MRS. AMMI W. WRIGHT.
MRS. JAMES H. LANCASHIRE.
MRS. WILLIAM A. BAHLKE.

VISITING COMMITTEE.

APPOINTED BY THE SYNOD OF MICHIGAN.

REV. JOHN GRAY, Kalamazoo.
REV. WM. B. JENNINGS, Detroit.

THE FACULTY.

AUGUST F. BRUSKE, M. S., D. D.,
President, and Wells Professor of Philosophy and Theism.

JOSEPH W. EWING, A. M.,
Folsom Professor of Pedagogy and Principal of the Academy.

MARY C. GELSTON, A. M.,
Professor of Latin.

CHARLES A. DAVIS, A. M.,
Wright-Davis Professor of Biology and Geology, and Secretary of the Faculty.

JOHN T. EWING, A. M.,
Folsom Professor of Greek, and Registrar.

JAY CLIZBE, A. M.,
Professor of Biblical Literature.

JAMES MITCHELL, A. M.,
Wright Professor of History and Political Science.

FRANK N. NOTESTEIN, Ph. D.,
Wright Professor of Mathematics and Physics.

MARY A. CLARKE,
Lady Principal, and Stone Professor of English.

KATHARINE M. INGLIS,
Instructor in French and German.

FRED FULLERTON, M. S.,
Instructor in Mathematics.

ALMA COLLEGE.

LIZABETH B. CASE,
Librarian.

KATE L. BOOTH,
Principal of the School of Art.

MRS. MARY D. PLUM,
Principal of the Training School for Kindergartners.

JENNIE E. WAGNER,
Principal of the School of Music.

MRS. JOSEPHINE ST. JOHN,
Instructor in Voice.

HERBERT A. MILLIKEN,
Instructor in Violin.

ROBERT C. KING,
Principal of the Commercial School.

EDWIN FAUVER,
Instructor in Athletics.

EDGAR A. BAGLEY, M. D.,
Medical Examiner for Gymnasium Work.

ALMA COLLEGE.

Organization.

Alma College embraces six divisions: The College, The Academy, The School of Pedagogy, The Commercial School, The School of Music and the School of Art.

THE COLLEGE.

I. THE COURSES OF STUDY.

There are four Courses of Study, each extending through four years.

1. The Classical Course, leading to the degree of Bachelor of Arts.
 2. The Philosophical Course, leading to the degree of Bachelor of Philosophy.
 3. The Scientific Course, leading to the degree of Bachelor of Science.
 4. The Literary Course, leading to the degree of Bachelor of Letters.
-

II. REQUIREMENTS FOR ADMISSION.

Examinations for admission will be held on Monday and Tuesday, June 25 and 26, and on Monday and Tuesday, September 24 and 25, beginning at 9 o'clock a. m.

The entrance examinations are designed to test the ability of the candidate to undertake the course of study, and not merely to ascertain the character and amount of his acquired knowledge.

Subjects for Examination.

GROUP I.

English —1. The candidate will be required to present evidence of a general knowledge of the subject matter of the prescribed books, and to answer simple questions on the lives of their authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination pa-

per. The treatment of the topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of the test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the examination are:

1900: Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books I, VI, XXII and XXIV; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *The Vicar of Wakefield*; De Quincey's *The Flight of a Tartar Tribe*; Cooper's *The Last of the Mohicans*; Lowell's *The Vision of Sir Launfal*; Tennyson's *Princess*; Scott's *Ivanhoe*.

1901: George Eliot's *Silas Marner*; Pope's *Iliad*, Books I, VI, XXII, and XXIV; The Sir Roger de Coverley Papers in the *Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Shakespeare's *Merchant of Venice*; Cooper's *Last of the Mohicans*; Tennyson's *Princess*.

2. This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject matter, form and structure.

1900: Shakespeare's *Macbeth*; Milton's *Paradise lost*, Books I and II; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

1901: Shakespeare's *Macbeth*; Burke's *Speech on Conciliation with America*; Milton's *L'Allegro*, *H. Penseroso* and *Comus*; Macaulay's *Essays on Milton and Addison*.

Latin.—3. Four books of Cæsar's *Commentaries on the Gallic War*.

4. Six *Orations of Cicero*; reading at sight a short passage of easy Latin prose.

5. The first eight books of Vergil's *Æneid*; or I-VI, with additional selections from Ovid, 6000 to 8000 verses in all.

6. Grammar and prose composition. (As to the latter, Riggs' *In Latinum* indicates the field to be covered.)

7. Candidates will be required to show a fair degree of knowledge of the general history of Rome.

Greek.—8. Xenophon's *Anabasis*, Books 1-3.

9. Homer's *Odyssey*, Books 1-3.

10. Reading at sight a short passage of easy Greek prose.

11. Grammar and prose composition. (As to the latter, Collar and Daniel's *Exercises in Greek prose composition* indicate the field to be covered.)

12. Candidates will be required to show a fair degree of knowledge of the general history of Greece.

Mathematics.—13. *Arithmetic*. No formal examination as a separate requirement. A knowledge of the metric system and the ability to reckon with facility and accuracy are presupposed.

14. *Algebra*. Factors, common divisors and multiples, equations of the first degree with one or more unknown quantities, involution, including the binomial theorem for positive entire exponents, evolution, the

doctrine of exponents, radicals and equations involving radicals, quadratic equations of one and two unknown quantities, ratio and proportion, arithmetical and geometrical progressions.

(A thorough knowledge of Wentworth's or Wells' School Algebra will be sufficient.)

15. *Geometry.* Plane, solid and spherical geometry, including the solution of simple original exercises and numerical problems.

Science.—16. *Physics.* The equivalent of Carhart and Chute's Elements, together with an approved laboratory course of not less than forty experiments actually performed at school by the candidate; or,

17. *Botany.* The equivalent of McBrides' text-book of botany, together with an approved laboratory course involving the detailed examination of not less than forty plants; or,

18. *Chemistry.* The non-metallic elements, as usually given in high school text-books, together with an approved laboratory course of at least forty experiments actually performed by the candidate, as given in Remsen's or Williams' Laboratory Manuals.

GROUP II.

English.—As in Group I.

Latin.—As in Group I with the omission of 5 and half of 4.

Mathematics.—The same as in Group I; and in addition:

19. *Algebra.* Variations, the principle of undetermined co-efficients including its application to series and partial fractions, variables and limits, convergency series, the binomial theorem for fractional and negative exponents, logarithms, permutations, combinations, and probability. (The equivalent of these topics as treated in the College Algebra of Wentworth or Wells.)

Science.—16, 17 and 18, of Group I.

French.—20. The ability to read easy French, such as Rambaud's *Histoire de la Civilization Francaise*, and

21. The elements of French grammar; or,

German—22. The ability to read easy German, such as Anderson's or Grimm's *Märchen*, and

23. The elements of German grammar.

Requirements of the Different Courses.

For the Classical Course, all of Group I.

For the Scientific Course, all of Group II.

For the Philosophical Course, all of Group I, except Greek, for which substitute French and German of Group II.

For the Literary Course, all of Group II, except Latin.

Examinations will be waived in the case of applicants who present certificates of graduation from the Academy of Alma College, or from any High School having equivalent courses. Examinations may also be waived in particular studies upon presentation of a satisfactory certificate from the school in which such studies were pursued.

Candidates for advanced standing will be examined on the subjects previously studied by the classes they desire to enter, except in the case of undergraduates of other institutions who present letters of honorable dismissal and also careful statements, duly verified, of the studies pursued and the credits received therein.

Students desiring to pursue select studies will be admitted to such classes only as they are found prepared to enter.

Candidates who are slightly deficient may be received conditionally, with the understanding that the deficiency shall be made up within a year.

III. METHODS AND COURSES OF INSTRUCTION.

Latin Language and Literature.

PROFESSOR MARY C. GELSTON.

The aims of the work in Latin may be classed under several distinct heads:

1. To strengthen and extend the foundation already laid in the preparatory school, by training in syntax and word formation, by a critical interpretation of the text, and by frequent exercises in prose composition based upon the authors read, as a means for securing accuracy in linguistic knowledge.

2. To teach students to read Latin understandingly and rapidly. To this end, there is much drill in sight-reading and in translation at hearing.

3. To widen the scope of instruction by collateral reading, accompanied by quizzes and dissertations. The desire is to give the student a knowledge of his subject on its historic and literary side, to make him acquainted with the Latin literature and its development, and to give him a thorough and sympathetic knowledge of Roman private life and civilization.

The following courses are offered:

1. Selections from Cicero; Roman Literature; Prose Composition. *Four hours a week.*

- II. Livy; prose Composition; Roman Literature. *Four hours a week.*

III. Horace—Odes, Satires, Epistles; Roman Literature. *Three hours a week.*

IV. Vergil—Eclogues; a Play of Plautus or Terence; Roman Literature. *Three hours a week.*

V. Letters of Pliny; Selections from Juvenal and Martial. *Three hours a week.*

VI. Philosophy among the Romans—Lucretius; Cicero; Seneca.

VII. Roman Rhetoric and Oratory—Cicero; Quintilian. *Three hours a week.*

VIII. Roman History and Law—Tacitus; Justinian.

Courses I, II, III and IV are required of candidates for the degrees of A. B. and Ph. B.; the others are elective. Courses I, III, V and VI are given during the First Semester; courses II, IV, VII and VIII, during the Second Semester.

Greek Language and Literature.

PROFESSOR J. T. EWING.

The courses of instruction is planned with a view to assist the student in gaining some familiarity with the language and literature of the Greeks and an appreciation of the nature and worth of Greek culture and of its bearing upon the literature, philosophy and art of later times. In the Freshman courses particular attention is paid to the forms and the elementary principles of syntax, and practice in oral and written composition is relied upon to give readiness and accuracy in the use of the language.

Collateral reading and practice in reading at sight are used to vary the point of view and to give opportunity for the discussion of questions pertaining to the history, mythology and institutions of the Greeks.

The following courses are offered:

I. Lysias and Xenophon. Review of the grammar and drill in advanced prose composition. *Five hours a week.*

II. Homer. Three books of the Iliad, with a careful study of forms and prosody; topical study of the Homeric Age and of early literary forms. *Five hours a week.*

III. Herodotus and Thucydides. Study of literary style; discussion of historical problems. *Four hours a week.*

IV. The Drama. Reading of selected plays; study of the dramatic art of the Greeks. *Four hours a week.*

V. Plato. The life and character of Socrates; readings from the Apology, Crito and Phædo. *Three hours a week.*

VI. Greek Life. Study of social life and customs; collateral reading and discussion of special themes. *Three hours a week.*

VII. New Testament Greek. Study of peculiarities of Hellenistic Greek; rapid reading of selected books. *Three hours a week.*

VIII. Theocritus and Lucian. Studies in the later literature. *Three hours a week.*

IX. The Greek in English. Intended especially for Scientific students. *Three hours a week.*

Courses I, II, III and IV, taken in their order, are required of candidates for the degree of Bachelor of Arts; the others are elective.

Courses I, III, V, VII and IX, are given during the First Semester; courses II, IV, VI, VIII and IX, during the second Semester.

English Language and Literature.

DR. BRUSKE, PROFESSOR MITCHELL.

This department provides for work in Rhetoric and English Literature.

The course in Rhetoric is intended to teach correctness and clearness of expression, and to give the student practice in Descriptive, Narrative, Expository and Argumentative writing. To this end the student prepares one theme a week during the greater part of the course. When a fair degree of fluency and effectiveness of expression is attained in the more elementary kinds of composition, each member of the class presents one argumentative essay. This is preceded by a carefully prepared brief, and is designed to give training in the logical structure of argumentation. After correction these essays are re-written, and read and discussed in the class-room. The critical examination of extracts from the best authors makes the course valuable as an introduction to the study of English Literature.

The work in English Literature is historical, biographical, critical. Different periods are taken up historically, and representative authors carefully studied. An effort is made

to penetrate, so far as possible, the mind of the working artist and ascertain his method.

The Junior class pursues the study during the entire year. Attention is specially given to the great writers who have won a prominent place as masters of the English Language.

Elective courses are offered, different in different years, and including the Elizabethan Drama, the Period from the Restoration to 1789, the Literature of the Nineteenth Century, Greek and Roman Literature, and American Literature.

The following courses are offered:

I. Rhetoric and English Composition. Recitations, Weekly Themes, Consultations, Rhetoricals. *Three hours a week.*

II. Rhetoric and English Composition. Recitations, Weekly Themes, Briefs, Essays, Rhetoricals. *Three hours a week.*

III. Reading of selected authors, from Chaucer to Tennyson, including Lectures on Chaucer's Versification and Method of Narrative Poetry, Shakespeare's Versification and Method of Dramatic Poetry. *Three hours a week for the year.*

IV. Early English Literature. Reading of Selected Authors, Examination of Special Questions, Conferences. *Three hours a week.*

V. English Literature from the Birth of Shakespeare to 1660. Special attention will be given to the Drama. *Three hours a week.*

VI. English Literature from the Restoration to 1789. With special reference to Dryden, Milton, Addison, Pope, Gray and Goldsmith. *Three hours a week.*

VII. English Literature from 1789 to the death of Tennyson. The authors most fully studied are Burns, Keats, Wordsworth, Byron, Carlyle, Burke. *Three hours a week.*

VIII. American Literature. Chiefly Historical. *Three hours a week.*

IX. Greek and Roman Literature in English Translations. Designed especially for Scientific Students. *Three hours a week.*

Courses I, III, IV, V and IX are given during the First Semester; Courses II, III, VI, VII and VIII during the Second Semester.

Courses I-III are required; the others are elective.

History.

PROFESSOR MITCHELL.

The College aims to make the study of History not merely a source of information but of real educative value. To this end work is required which is designed to develop and test the student's ability in collecting material, discussing theories, and marshalling facts to fortify or overthrow a proposition. In each course definite reading is required, in which the most approved treatises are examined and compared. No attempt is made in European History to consult the sources except so far as may be done by the use of "Translations and Reprints from Original Documents," published by the University of Pennsylvania.

In American History, where the problems are not so difficult of solution, more use is made of the sources, particularly the Congressional Globe and Record, but even here the great number of valuable works now available is chiefly relied upon.

A text-book is used—in all courses where a satisfactory one can be obtained—as a means of connecting and holding firm all that comes to the student from other sources. Informal lectures supplement the work of the text-book and the collateral reading.

The following courses are offered:

I. Introduction to modern European History; Renaissance and Reformation. *Three hours a week.*

II. The French Revolution and its Antecedents. *Three hours a week.*

III. Political and Constitutional History of England. *Three hours a week.*

IV. American History from 1765 to the Civil War. *Three hours a week.*

V. The United States during the Civil War and Reconstruction. *Three hours a week.*

VI. The Nineteenth Century. *Three hours a week.*

Courses I, III, and V are given during the First Semester; courses II, and IV during the Second Semester. Courses I and II are required of all candidates for a degree.

Mathematics.

PROFESSOR NOTESTEIN AND MR. FULLERTON.

The whole subject of Geometry, Plane, Solid and Spherical, being provided for in the Academic courses, the first semester of the Freshman year is given to Trigonometry, Plane and Spherical, which is required in all the college courses.

The second semester is devoted to advanced Algebra including such an introduction to the Differential Calculus as prepares for the proof of the Binomial Formula, the exposition of Logarithms and important propositions. This also is required in all courses.

In the Sophomore year three hours each week for a year are assigned to Analytical Geometry.

The Differential and Integral Calculus, Analytical Mechanics and Surveying are offered as electives to all students who have the necessary preparation.

The aim in this department is to develop logical power in the student, as well as to furnish him with an instrument for further investigation.

The following courses are offered:

- I. Plane and Spherical Trigonometry. *Four hours a week.*
- II. Higher Algebra. *Four hours a week.*
- III. Analytical Geometry. *Three hours a week.*
- IV. Analytical Geometry (continuation of course III.) *Three hours a week.*
- V. Surveying. *Three hours a week.*
- VI. Differential and Integral Calculus. *Three hours a week.*
- VII. Calculus (continuation of course VI.) *Three hours a week.*
- VIII. Analytical Mechanics. *Three hours a week.*
- IX. Mechanics (continuation of course VIII.) *Three hours a week.*

Courses I, III, VI and VIII are given during the First Semester; courses II, IV, V, VII and IX during the Second Semester. Courses V to IX are elective. Students in the Classical Course may elect Biology I and II in place of Mathematics III and IV.

Physics.

PROFESSOR NOTESTEIN.

Students who have had the necessary preparatory work in this branch are permitted to enter the advanced courses in Physics in the Junior year. This subject occupies three hours a week during two semesters with laboratory work in addition. The principles of the science are discussed before the class and illustrated by general experiments, after which the student is required to perform similar experiments and record the results of his investigations. It is believed that students trained in this way will secure a practical working knowledge of the science.

The following courses are offered:

I. Mechanics, Acoustics and Optics with Laboratory work. *Four hours a week.* First Semester.

II. Heat and Electricity with Laboratory work. *Four hours a week.* Second Semester.

III. An advanced course in Sound and Light with Laboratory work. *Three hours a week.* First Semester.

IV. An advanced course in Heat, Electricity and Magnetism with Laboratory work. *Three hours a week.* Second Semester.

Chemistry.

PROFESSOR DAVIS.

The aim of the course in Chemistry is to teach the student how to work intelligently and thus how to study the science to advantage.

Beginning with the metals, the appearance, characteristics, compounds, qualitative tests, etc., of each are carefully investigated in the laboratory and as carefully noted. So much of the theory of Chemistry is discussed and illustrated as will enable the student fully to understand what he sees and does. Following this, the non-metallic elements are studied, and more elaborate experiments are performed. The student is required to make such special apparatus as he requires in this part of the work, from materials furnished for the purpose. Finally, courses in Quantitative Analysis and Mineralogy are provided for students in the Scientific Course.

The following courses are offered:

I. General Chemistry: Laboratory work and lectures. *Three hours a week.*

II. Qualitative Analysis. *Three hours a week.*

III. Quantitative Analysis. *Three hours a week.*

IV. Descriptive and Determinative Mineralogy. *Three hours a week.*

Courses I and III are given during the First Semester; courses II and IV during the Second Semester.

Courses I and II are required in all courses of study except the Classical; the others are elective.

Biology.

PROFESSOR DAVIS.

The object of the course in Biology is to quicken the student's power of observation and thought, and to make him an independent investigator. With this end in view the work in Zoology is done mainly in the laboratory. Familiar type animals are taken up in the beginning and carefully studied, and as the student becomes accustomed to the methods of work, those less familiar are worked up. At every stage the student is required to make dissections, to keep a careful record of his work and to make drawings from the object which he is studying. The elements of classification are taught, and the attention of the student is constantly turned to the general characters of the type which he is studying. The work in Botany begins with the study of the Morphology and general characters of the flowering plants. The flora of the region is carefully studied and the student is encouraged to investigate the habits of plants which come under his observation. In the advanced course the work is entirely in the field and in the laboratory.

The following courses are offered:

I. Zoology; Laboratory work. *Three hours a week.*

II. Botany; Field and Laboratory work. *Three hours a week.*

III. Botany, Advanced. *Three hours a week.*

IV. Histology. *Three hours a week.*

V. Zoology, advanced. *Three hours a week.*

Courses I, III, and IV are given during the First Semester; courses II and V, during the Second Semester.

Courses I and II are required in one or other of the regular courses of study.

Courses III, IV and V are general electives.

Geology.

PROFESSOR DAVIS.

The course in Geology is necessarily a brief one, the aim being to present as practical and complete a view of the facts and theories of the subject as possible with the facilities at hand. The theories of the science and the historical portions of the subject are taught from text-books and by lectures, illustrated by specimens, diagrams and charts. Such facts as can be demonstrated by the local formations are studied in the field. The large collections of minerals, rocks and fossils belonging to the College have been placed in order in the museum and will add materially to the equipment of the department.

Astronomy.

PROFESSOR NOTESTEIN

Provision is made for one semester of study of Astronomy in the Academy and one semester in the College course.

In the earlier period the facts of Astronomy are studied, including all that can be well understood by pupils of that grade. In the latter period the same facts are studied in the light of Mathematics, and the laws are demonstrated.

Modern Languages.

DR. BRUSKE AND MISS INGLIS.

It is the aim of this department to give a thorough grammatical and conversational knowledge of German and French. The first year's work is devoted to a review of grammar and to reading and translating standard works. The second year is devoted to a more advanced study of the best authors, together with constant practice in prose composition. Poems are memorized in all classes, and the conversation of the class-room is in German and French, in so far as this is possible.

The following courses are offered:

GERMAN.

I. Review of grammar; prose composition; reading and translating Hillern's *Höher als die Kirche* and other stories. *Five hours a week.*

II. Grammar; sight reading; prose composition; reading and translating Schiller's Wilhelm Tell. *Five hours a week.*

III. Review of grammar; reading and translating Deutschland und die Deutschen, and Lessing's Nathan der Weise. *Three hours a week.*

IV. Prose composition; reading and translating Gœthe's Faust. *Three hours a week.*

FRENCH.

I. Review of Grammar; prose composition; reading and translating George Sand's La Mare au Diable. *Four hours a week.*

II. Sight reading; prose composition; reading and translating Fortier's Sept Grand Auteurs de XIX Siecle, with selections from modern prose authors. *Four hours a week.*

III. General survey of French syntax and composition; selections from best writers. *Three hours a week.*

IV. General survey of French literature; prose composition and sight reading. *Three hours a week.*

Mental and Moral Philosophy.

DR. BRUSKE AND PROFESSOR MITCHELL.

The course in Philosophy begins in the Junior year with the study of Logic. The forms of argument, the laws of thought and the general principles of method are carefully studied. The work in this department is made as practical as possible, and the principles learned are at once applied to the construction of discourse.

In the Senior year, the study of Psychology is taken up during the first semester. The study of Ethics is taken up during the second semester. The study of the history of Philosophy is offered as an elective during the second semester.

The following courses are offered:

I. Logic. *Three hours a week.*

II. Psychology. *Three hours a week.*

III. Ethics. *Three hours a week.*

IV. History of Philosophy. *Three hours a week.*

Courses I and II are given during the First Semester; courses III and IV, during the Second Semester.

Political Science.

PROFESSOR MITCHELL.

This begins with the study of Political Economy and the application of its principles to the practical questions of social, civil and business affairs. The study of Sociology is taken up in the second semester of the Senior year.

A course in International Law is offered as an elective in the first semester of the Senior year.

In this department each student will be required to present his own thoughts upon some assigned portion of the study in a written thesis, at least once during the year.

The following courses are offered:

- I. Political Economy. *Three hours a week.*
- II. Sociology. *Three hours a week.*
- III. International Law. *Three hours a week.*

Courses I and II are given during the Second Semester; course III during the First Semester.

The Bible and Theism.

DR. BRUSKE AND PROFESSOR CLIZBE.

Since the religious facilities are the highest and noblest, their training has been given the place of first importance. The instruction here given is in the broadest sense Christian. Nothing of a sectarian character is admitted. The purpose is to build up intelligent Christian manhood. We believe that this is the greatest need of our time.

The following year courses are offered:

- I. The Life of Christ; in which the student will be expected to master the Journeys and Events of Christ's Life in their order. *One hour a week.*
- II. The Founding and Extension of the Christian Church. *One hour a week.*
- III. Natural Theology and Evidences of Christianity. *Three hours a week.*

Pedagogics.

PROFESSOR J. W. EWING, MRS. PLUM AND PROFESSOR MITCHELL.

Instruction in Pedagogics is offered to Juniors and Seniors in accordance with an act of the Legislature of Michigan authorizing the State Board of Education to grant a teacher's

certificate, without examination, to any person who has received a Bachelor's, Master's or Doctor's degree from any college in this state having a course of study actually taught in such college of not less than four years, in addition to the preparatory work necessary for admission to Michigan University, and including a course in the Science and Art of Teaching of at least one college year of five and one-half hours per week.

This course embraces professional work in Applied Psychology, History of Education, School Law, School Systems, special methods in common branches, including the Kindergarten; a critical examination of the Reports of the Committees of Ten, Twelve and Fifteen, and the organization and management of schools.

Graduates from any of the college courses who complete this course of professional work will be recommended by the Faculty to the State Board of Education for a teacher's certificate, which will entitle them to teach in the public schools of Michigan without further examination.

The following courses are offered:

- I. History of Education. *Two hours a week.*
- II. School Management. *Two hours a week.*
- III. Child Study and the Theory of Kindergarten. *One hour a week.*
- IV. Psychology, Applied. *Two hours a week.*
- V. Principles and Methods of Teaching. *Two hours a week.*
- VI. School Law and School Systems, including a study of the school system of at least five of the states and of Germany, France and England. *Two hours a week.*
- VII. A course of lectures on the organization and management of schools.

Five essays on educational topics are required of each student during the course. A course of collateral reading is also required.

Courses I, IV and V are given during the First Semester; courses II, III, VI and VII during the Second Semester.

Physical Training.

MR. FAUVER.

Important changes have been made in this phase of college work. Steam and electricity have been introduced into

the building, enabling the teachers to meet their classes, and individuals at any hour of the day.

Experience demonstrates the value of the gymnasium in erect attitude and graceful carriage, in healthy muscular development and that self-control which is a part of all disciplinary training.

Athletics and competitive indoor games add an interest and zest to this branch of college work.

IV. OUTLINE OF THE COURSES OF STUDY.

Classical Course.

FRESHMAN YEAR.

First Semester.

Latin, I	4
Greek, I	5
Mathematics, I	4
History, I	3
English	1
Bible, I	1

Second Semester.

Latin, II	4
Greek, II	5
Mathematics, II	4
History, II	3
English	1
Bible, I	1

SOPHOMORE YEAR.

First Semester.

Latin, III	3
Greek, III	4
English, I	2
Mathematics, III; or	} 3
Biology, I	
Chemistry, I; or	} 3
Modern Language	
Bible, II	1

Second Semester.

Latin, IV	3
Greek, IV	4
English, II	2
Mathematics, IV; or	} 3
Biology, II	
Chemistry, II; or	} 3
Modern Language	
Bible, II	1

JUNIOR YEAR.

First Semester.

Physics, I	4
Philosophy, I	3
English, III	3
Electives	6

(See page 29)

Second Semester.

Physics, II	4
Political Science, I	3
English, III	3
Electives	6

(See page 29)

SENIOR YEAR.

First Semester.

Philosophy, II	3
Bible, III	3
Electives	9

(See page 29)

Second Semester.

Philosophy, III	3
Political Science, II	3
Electives	9

(See page 29)

One hour a week of rhetorical work is required throughout the course.

Philosophical Course.

FRESHMAN YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Latin, I	4	Latin, II	4
German, I	5	German, II	5
Mathematics, I	4	Mathematics, II	4
History, I	3	History, II	3
English	3 2	English	3 2
Bible, I	1	Bible, I	1

SOPHOMORE YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Latin, III	3	Latin, IV	3
{ French, I	4	{ French, II	4
{ or		{ or	
{ Biology, I	3	{ Biology, II	3
English, I	3	English, II	3
Mathematics, III	3	Mathematics, IV	3
Chemistry, I	3	Chemistry, II	3
Bible, II	1	Bible, II	1

JUNIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Physics, I	4	Physics, II	4
Philosophy, I	3	Political Science, I	3
English, III	3	English, III	3
Electives	6	Electives	6
(See page 29)		(See page 29)	

SENIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Philosophy, II	3	Philosophy, III	3
Bible, III	3	Political Science, II	3
Electives	9	Electives	9
(See page 29)		(See page 29)	

Scientific Course.**FRESHMAN YEAR.**

<i>First Semester.</i>		<i>Second Semester.</i>	
Biology, I	3	Biology, II	3
German, I	5	German, I	5
Mathematics, I	4	Mathematics, II	4
History, I	3	History, II	3
English	1	English	1
Bible, I	1	Bible, I	1

SOPHOMORE YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Chemistry, I	3	Chemistry, II	3
French, I	4	French, I	4
English, I	2	English, II	2
Mathematics, III	3	Mathematics, IV	3
Elective Science	3	Elective Science	3
Bible, II	1	Bible, II	1

JUNIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Physics, I	4	Physics, II	4
Philosophy, I	3	Political Science, I	3
English, III	3	English, IV	3
Electives	6	Electives	6
(See page 29)		(See page 29)	

SENIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Philosophy, II	3	Philosophy, III	3
Bible, III	3	Political Science, II	3
Electives	9	Electives	9
(See page 29)		(See page 29)	

One hour a week of Rhetorical work is required throughout the course.

Literary Course.

FRESHMAN YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
English	1	English	1
French, I	4	French, II	4
German, I	5	German, II	5
Mathematics, I	4	Mathematics, II	4
History, I	3	History, II	3
Bible, I	1	Bible, I	1

SOPHOMORE YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
English, I	2	English, II	2
French, III	3	French, IV	3
German, III	3	German, IV	3
Mathematics, III	3	Mathematics, IV	3
{ Chemistry, I	3	{ Chemistry, II	3
or		or	
{ Biology, I	3	{ Biology, II	3
Bible, II	1	Bible, II	1

JUNIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Physics, I	4	Physics, II	4
English, III	3	English, IV	3
Philosophy, I	3	Political Science, I	3
Electives	6	Electives	6

SENIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Philosophy, II	3	Philosophy, III	3
Bible, III	3	Political Science, II	3
Electives	9	Electives	9

One hour of Rhetorical work is required throughout the course.

ELECTIVE COURSES, 1900-1901.

Each course three hours a week for one semester.

LATIN.*—V. Open to those who have had the Latin of the Freshman and Sophomore years.

VII. Open to those who have taken course V.

GREEK.—V. Open to those who have had the Greek of the Freshman and Sophomore years.

VI. Open to those who have taken course V.

VII. Open to non-classical students. (Year course.)

GERMAN.—III. Open to those who have had the required German.

IV. Open to those who have taken course III.

FRENCH.—III. Open to those who have had the required French.

IV. Open to those who have taken course III.

MATHEMATICS.—V. Open to those who have had course I.

VI. Open to those who have taken courses III and IV.

VII. Open to those who have had course VI.

HISTORY.—III. Open to those who have had the required History.

VII. Open to those who have taken course IV.

PHYSICS.—III. Open to those who have had courses I and II.

IV. Open to those who have had course III.

CHEMISTRY.—III. Open to those who have had the required Chemistry.

IV. Open to those who have taken course III.

BIOLOGY.—III. Open to those who have had courses I and II.

V. Open to those who have taken course III.

PHILOSOPHY.—IV. Open to those who have had the required Philosophy.

ASTRONOMY.

GEOLOGY.

PEDAGOGICS.

MUSIC. Offered, at their own expense, to students to the extent of three hours a week.

ART. Offered, at their own expense, to students to the extent of three hours a week.

ELOCUTION. Offered, at their own expense, to students to the extent of three hours a week.

*For the description of courses, see "Methods and Courses of Instruction." Pages 12-28.

NOTE:—Elections should be made for the year. In making them the student must be guided by the schedule of recitations, so as to avoid conflict in hours. Such studies as are not required in all courses may be elected in the courses in which they are not required. Professors are not required to teach electives that are chosen by less than three students.

THE ACADEMY.

INSTRUCTORS.

JOSEPH W. EWING,
PRINCIPAL.
Geometry and Physiography.

MARY C. GELSTON,
Latin.

CHARLES A. DAVIS,
Chemistry, Geology and Botany.

FRANK N. NOTESTEIN,
Physics.

JOHN T. EWING,
Greek.

MARY A. CLARKE,
English.

JAY CLIZBE,
English Bible.

JAMES MITCHELL,
History and Civics.

KATHERINE M. INGLIS,
German and French.

FRED FULLERTON,
Algebra and Higher Arithmetic.

ROBERT C. KING,
Penmanship.

EDWIN FAUVER,
Physical Training.

I. GENERAL STATEMENT.

The Academy of Alma College has been founded to provide facilities for securing an exact and adequate preparation for college work as well as to meet the needs of those who wish to enjoy the benefits of a thorough academic training in preparation for life's work.

To realize fully this two-fold object, great care has been taken to provide skilled instruction. Students in the Acad-

emy are under the direction of teachers of wide experience and full knowledge of the subjects they teach. The close touch that exists between instructor and student in the classroom is of vital importance in the formation of character.

Graduates of this Academy will be prepared to enter the Freshman classes of the best colleges in the country.

II. COURSES OF INSTRUCTION.

Four courses, each extending through four years, are provided, which severally lead up to the corresponding courses of the college, viz: The Classical, Philosophical, Scientific and Literary. Each of these courses, however, is complete in itself and may be pursued with profit by the student with limited time and means for gaining an education.

III. REQUIREMENTS FOR ADMISSION.

Candidates for admission to the First Year Class must be able to sustain an examination in Reading, Writing, Spelling, Arithmetic, the elements of English Grammar, common school Geography and U. S. History. Candidates for higher standing will be examined in the studies previously pursued by the class they desire to enter, with the exception of those who present certified statements of work done in accredited schools.

Graduates from the eighth grade in district schools may enter the First Year Class on certificate without further examination.

IV. DESCRIPTION OF COURSES.

Latin.

During the first year, careful attention is paid to the mastery of inflections and the essential rules of syntax, and to the acquisition of a good vocabulary. Collar and Daniell's First Latin Book is used, and selections from Viri Romæ are read during the last term.

The work of the second year includes the reading of four books of Cæsar's Gallic War, or an equivalent, with frequent practice in prose composition. The text-books used are Lowe and Ewing's Cæsar and Riggs' In Latinum.

The third year is devoted to the reading of five orations and select letters of Cicero, and one thousand lines of Ovid.

The work in prose composition is continued and, in connection with the Ovid, the study of hexameter verse is begun. Text-books used are Johnston's Cicero, Riggs' In Latinum, and Kelsey's Ovid.

In the fourth year, six books of the *Æneid* and six hundred lines of Ovid are read. The literary and rhetorical features of the work are noted, and the study of hexameter verse continued. Greenough's Vergil is used. The course comprises five exercises a week during the first three years, and four during the fourth year. The Roman method of pronunciation is used.

Greek.

In the first period of the study of Greek, the student's efforts are chiefly directed towards the mastery of the inflections as a foundation for future work. The subject is presented systematically with frequent reviews and other tests. The principles of syntax are presented inductively. Proper methods of study in relation to the training of memory and reason are emphasized. The reading of easy selections leads up gradually to the study of the *Anabasis* in the first semester of the second year. This is followed by the reading of three books of Homer's *Odyssey*. Sight-reading, prose composition and a detailed study of the geography of Greece are included in this year's work.

Mathematics.

Four hours a week are given to a review of Arithmetic in the first semester of the first year, and the same time in the second semester to the study of Geometrical forms.

During the second year four hours a week are given to Elementary Algebra in the first semester and five in the second.

Four hours a week are given to Higher Algebra during the first semester of the third year, and three hours to Higher Arithmetic during the second semester.

During the last year of the course there are five recitations a week in Geometry, which enable the student to complete Solid and Spherical as well as Plane Geometry.

Our aim is to teach Arithmetic, not as a collection of rules to be committed to memory, but by accustoming the pupil to see what the conditions of each problem demand and to solve it by what he sees to be its necessary law.

To Algebra we assign three semesters, believing that so generous an allowance will enable the average student to be perfectly at home in the application of the principles. In Algebra as in other subdivisions of this department we design to teach the science rather than any particular text-book.

In Geometry the reasoning is kept constantly in the attention of the student as a chief thing without which he will simply acquire so many facts to be treasured in the memory.

Science.

The general policy in all work in Science is to make it of as much practical value to the student as possible, and with this in view laboratory work is done in all courses where it can be introduced profitably.

Physiology is taken up in the second semester of the first year and is taught from text-book supplemented by lectures, charts and models.

The course in Astronomy is purely elementary and in the main descriptive, being designed to give students an acquaintance with the principal facts of the history of the science and some knowledge of the heavenly bodies. The excellent reflecting telescope deposited with the college by Judge Chase, of Ithaca, Mich., is of much service in this work.

Botany is required of the students of the Scientific course in the second semester of the third year. The time is mostly devoted in the laboratory to the study of the morphology and development of the higher seed-bearing plants and to the dissection, description and naming of a number of typical forms. Some field work under the direction of the teacher in charge is required.

The aim in teaching Elementary Physics is to combine the recitation and the laboratory method. A good text-book is put into the hands of the pupils. Accompanying the recitation, general experiments are given to illustrate the principles that are discussed in the class. As soon as the pupil is sufficiently acquainted with the fundamental principles of the science, he is admitted to the laboratory and performs a series of experiments, making his own measurements and computations and entering them in his laboratory note-book. This note-book is a part of the permanent results of the study for which credit is given.

Geology is required in the first semester of the fourth year of the Scientific course. The object of the study is to give students who take it some knowledge of the elements of the science and to show them how the earth has reached its present condition. The work is designed to be observational in its character, but a text-book is used as a guide and to furnish facts not otherwise easily accessible to the student.

Chemistry is required of all students of the fourth year for the second semester. The work is done mainly in the chemical laboratory and is supplemented by lectures giving the essentials of chemical theory. All processes necessary for elementary work are taught by practice. The non-metallic elements and their compounds are studied and the students are required to make careful written record of facts observed and drawings of apparatus used and to write equations of all reactions. In this way it is hoped that, aside from the knowledge of Chemistry acquired, habits of careful observation, of attention to detail, and of logical reasoning will be cultivated.

English.

I. Review of grammar; critical study of the parts of speech, sentence construction and analysis; selections from American authors; composition work.

II. Lockwood's Lessons in English; choice of words, the sentence, the paragraph; composition work; selections from English authors.

III. Themes; forms of prose and poetical composition; essays; English and American classics; Gayley's Classic Myths.

IV. History of English literature; college requirements in English; essays and character sketches.

History and Civics.

The Academy aims at furnishing its students as large an opportunity for acquiring a knowledge of these subjects as is consistent with the claims of other studies. A semester is given to a review of the History of the United States, a year to General History, and a semester to Civil Government. The courses in History are designed for giving a thorough knowledge of the outlines of the subject and for laying a broad substructure for subsequent historical study.

I. History of the Colonies and the American Revolution. Special attention is given to the settlement and development of the colonies, colonial administration, royal control, conflict with the French, and the revolt of the colonies. History of the United States from the Revolution to the close of the Civil War. Professor Channing's text-book will be used.

II. In General History Myer's book is used more as a guide than as a text-book. No attempt is made to go over all the matter here given. Attention is directed chiefly to transitionary periods. A printed list of required readings, taken as far as possible from contemporaneous accounts of the subjects to be dealt with, is given to each student. Class discussions are based on a study of this material. In this way, it is believed, the student will acquire a knowledge of *general conditions* and of *institutions*, which are by no means so numerous and distracting as events. In all the work in History, historical geography is taught as an inseparable part of historical study.

III. The study of Civil Government follows that of United States History. Fiske's book indicates the field covered.

French and German.

From the beginning the languages are spoken in the class-room. Elementary Grammar is studied, including declensions and conjugations, and translations of English exercises are required every day. Stories are read, translated and made the basis of conversation, and short poems are memorized. In the German class the German script is required.

English Bible.

The following courses are offered:

I. Jewish Social Life, including the education of children, home life, marriage and funeral customs, traveling, trade, the synagogue and its worship, and whatever else in the social life of the people is calculated to throw light upon the Scriptures.

II. The Geography of Bible Lands in its connection with the history of the Chosen People.

III. Old Testament History from the beginning to the times of Ezra and Nehemiah.

IV. The books of the Bible; their authorship, the circumstances in which they were written, the purpose of the writers, and an outline of the contents.

V. OUTLINE OF THE COURSES OF STUDY.

FIRST YEAR

<i>First Semester.</i>		<i>Second Semester.</i>	
Latin Lessons	5	Latin Lessons	5
English Grammar	} 5	English Grammar	} 5
American Classics		American Classics	
Composition		Composition	
U. S. History	4	Physiology	4
Arithmetic	4	Geometrical Forms	4
Jewish Social Life	1	Bible Geography	1

SECOND YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Cæsar, Book I	5	Cæsar, Books II, III, IV	5
Elements of Rhetoric	} 3	Elements of Rhetoric	} 4
English Classics		English Classics	
Composition		Composition	
General History	3	General History	4
Civil Government	3	Elementary Algebra	5
Elementary Algebra	4	Study of the O. T.	1
Study of the O. T.	1		

THIRD YEAR.

Classical Course.

<i>First Semester.</i>		<i>Second Semester.</i>	
Cicero—Three Orations	5	Cicero; Ovid	5
Greek Lessons	5	Greek Lessons	5
Higher Algebra	4	Higher Arithmetic	3
Natural Philosophy	3	Natural Philosophy	3
English Classics	} 2	English Classics	} 2
Composition		Composition	
Declamations		Declamations	
Study of the O. T.	1	Study of the O. T.	1

Scientific Course.

<i>First Semester.</i>		<i>Second Semester.</i>	
Cicero—Three Orations	5	Botany—Lab. work	5
German or French	5	German or French	5
Higher Algebra	4	Higher Arithmetic	3
Natural Philosophy	3	Natural Philosophy	3
English Classics	} 2	English Classics	} 2
Composition		Composition	
Declamations		Declamations	
Study of the O. T.	1	Study of the O. T.	1

FOURTH YEAR.**Classical Course.**

<i>First Semester.</i>		<i>Second Semester.</i>	
Æneid—Books, I, II, III	4	Æneid; Ovid	4
Anabasis; Geography of Greece	5	Odyssey; Homeric Age	5
Geometry—Plane	5	Geom.—Solid and Spher.	5
English Literature	} 5	Chemistry—Lab. work	3
Rhetorical Practice		English Literature	2
Books of the Bible	1	Books of the Bible	1

Scientific Course.

<i>First Semester.</i>		<i>Second Semester.</i>	
French or German	5	French or German	5
Geometry—Plane	5	Geom.—Solid and Spher.	5
Elementary Geology	4	Chemistry—Lab. work	3
English Literature	} 5	Physiography	4
Rhetorical Practice		English Literature	2
Books of the Bible	1	Books of the Bible	1

The Philosophical Course is the same as the Classical with the exception of German and French in place of Greek.

The Literary Course substitutes German and French for the Latin of the Scientific Course.

SCHOOL OF PEDAGOGY.

INSTRUCTORS.

JOSEPH W. EWING,
Pedagogics.

MRS. MARY D. PLUM,
Child Study and Kindergarten Training.

JAMES E. MITCHELL,
Applied Psychology.

KATE L. BOOTH,
Drawing.

MRS. JOSEPHINE ST. JOHN,
Vocal Music.

JAY CLIZBE,
English Bible.

OBJECTS AND ADVANTAGES.

The importance of an adequate preparation for the profession of teaching has led to the unifying of the work of pedagogical instruction in this institution under the title of the School of Pedagogy. The school is divided into three departments, viz: Pedagogics, Kindergarten Training and Normal Instruction, each of which is independent of the others, and yet has certain points of contact with them. Through this correlation the student secures very substantial advantages in the stimulus that comes from contact with workers whose aims are similar to his own, and in the clearer view it gives him of the place that his own work occupies in the field of educational effort.

All the rich opportunities for culture that a thoroughly equipped college affords may be utilized here by the members of this school. Among these may be mentioned classes in drawing and vocal music, lectures on special and general topics, a fine library whose pedagogical section is especially rich in the latest works on pedagogy, a reading room on whose tables are found the foremost periodicals of a professional character, and well equipped laboratories for special work in science. A perusal of this Catalogue should convince the most skeptical that a course of training for teaching which is pursued in such an environment has the promise of most valuable results in both general culture and special fitness for the work of training the young.

DEPARTMENTS AND COURSES OF INSTRUCTION.

Pedagogics.

The courses in this department are offered to the members of the Junior and Senior classes in the College. For the description of the work, see page 22.

Kindergarten Training.

AIM.

This department aims to graduate earnest, intelligent and practical Kindergartners and Primary School teachers. Those intending to enter are expected to do so at the beginning of the College year and, if possible, to be ready the first day.

REQUIREMENTS.

Applicants should be at least eighteen years of age; none under eighteen will be admitted unless by special permission. They should have had a high school course or its equivalent. Some ability to sing, good health, love for children, and general culture are essential.

Students are expected to observe and practice in the Kindergarten. When called upon to recommend students for positions, we must know from observation that they are competent to carry out in practice the theories of the classroom.

SPECIAL FEATURES.

A public school Kindergarten, conducted daily. Members of the training class are permitted to act not only as assistants under the Principal's supervision, but also as Director in her presence. Connecting class work is practically illustrated. Special emphasis is laid upon the great value of Kindergarten work as an educational and religious power in Mission work.

Ten weeks' work in the Art School, vocal classes, special lectures by members of the College faculty, Kindergarten section in the library.

Kindergartners and others who wish to take review, post-graduate or special work may enter at any time.

Normal Instruction.

This department offers a course of four years which, in addition to the academic work, includes professional instruction in History of Education, School Organization and Management, School Law and School Systems, Child Study and Theory of the Kindergarten. The instruction is thorough, comprehensive and practical and gives ample preparation for securing a *First Grade Certificate*.

Students who furnish certificates of academic work done elsewhere, may be admitted to advanced standing, and thus be enabled to complete the course in less than the prescribed time. A diploma will be given to those who finish the work of this department.

OUTLINE OF THE COURSES OF STUDY.

Pedagogical Course.

JUNIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
History of Education	2	School Management	2
Vocal Music	1	Child Study and Theory	
Drawing	1	of Kindergarten	1
		Vocal Music	1

SENIOR YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Applied Psychology	2	School Law and	
Principles and Methods		School Systems	2
of Teaching	2	Course of lectures on	
		Organization and	
		Management of Schools	1

As supplementary to the course of study, four essays, a thesis, and a course of reading on educational topics are required.

Kindergarten Training Course.

FIRST YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
German (optional)	5	German (optional)	5
Psychology; Study of the Child	2	Psychology; Study of the Child	2
Educational History	3	Theory and Practice of Kindergarten Gifts	3
Theory and Practice of Gifts	2	Kindergarten Occupations	2
Kindergarten Occupations	2	History of Architecture	2
History of Architecture	2	Educational History	3
Study of Fröbel's Child Nature	1	Modeling	1
Physical work	3	Physical work	3
Bible	1	Bible	1
Program Class	1	Mythology	1
Vocal Music	2	Program Class	1
		Vocal Music	2

Ten weeks work in Art department. Observation and practice in Kindergarten.

SECOND YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Fröbel's Mother Play	4	Fröbel's Mother Play	4
German (optional)	3	German (optional)	3
Sociology	3	Sociology	3
Education of Man	2	Education of Man	2
Analysis of Games		Primary Methods	1
Original Programs	1	Gymnasium work	3
Gymnasium work	3	Bible	1
Bible	1	Program Class	1
Program Class	1		

Daily practice and observation in Kindergarten.

A certificate will be given to those who complete the first year of the course; a diploma to those who complete the whole course.

Normal Course.

FIRST YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Arithmetic	4	Geometrical Forms	4
Reviews	3	Reviews	5
U. S. History	4	Physiology	4
Penmanship	2	English (See page 36.)	5
English (See page 36.)	5	Bible Geography	1
Jewish Social Life	1		

SECOND YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Elementary Algebra	4	Elementary Algebra	5
General History	3	General History	4
Civil Government	3	Book-keeping	3
English (See page 36.)	3	English (See page 36.)	4
Reviews	4	Reviews	3
Study of the O. T.	1	Study of O. T.	1

THIRD YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Higher Algebra	4	Higher Arithmetic	3
Natural Philosophy	3	Natural Philosophy	3
Astronomy	4	Botany—Lab. work	5
Experimental Psychology	3	School Management	2
English (See page 36.)	2	English (See page 36.)	2
Vocal Music	2	Vocal Music	2
Drawing	1	Study of the O. T.	1
Study of the O. T.	1		

FOURTH YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Geometry	5	Geometry	5
Elementary Geology	4	Chemistry—Lab. work	3
Methods of Teaching	2	Theory of Kindergarten	1
English Literature and Rhetorical Practice	5	School Systems and School Laws	2
History of Education	2	Physiography	4
Books of the Bible	1	English Literature	2
		Books of the Bible	1

THE COMMERCIAL SCHOOL.

ROBERT C. KING,
PRINCIPAL.

I. OBJECT.

The object of this school is two-fold, viz: To prepare young men and women for business life, and to train accountants and stenographers.

II. COURSES OF STUDY.

Three courses of study are provided, viz: Business, Accountant's and Shorthand.

III. DESCRIPTION OF COURSES.

The Business Course.

Business life requires a general education at least as extensive and thorough as a good High School course, besides special training in commercial studies. To meet this requirement, we have recently enlarged the Business Course to four years, making it equal to our Academy courses, but arranged with special reference to needs of business men.

Book-keeping and business practice are taught on the business community plan. Each student enters at once into business relations with his fellows, buys and sells, handles cash, checks, notes, drafts and all other customary commercial papers, and makes records of the transactions in the proper books. Shipping, commission, wholesale and banking business are very closely imitated. Corporation accounting is given much attention. Corporations are formed which issue certificates of stock, pay dividends, make assessments, sell bonds and transact business in the usual methods adopted by such companies.

For the description of other than commercial studies, see the Description of Courses in the Academy, pages 31-35.

The Accountant's Course.

This course prepares for positions as book-keepers. Only those studies are included which have a direct bearing upon the work of the accountant. Students who have not had the other studies of the first and second years of the Business course may elect to pursue them together with this course during two years.

The Shorthand Course.

This course prepares for positions as amanuenses and reporters. The Eclectic system is taught. Graduation is conditioned on a speed of one hundred and twenty-five words per minute, and general fitness for these callings.

OUTLINE OF THE COURSES OF STUDY.

Business Course.

FIRST YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Book-keeping	4	Book-keeping	4
Commercial Arithmetic	5	Commercial Arithmetic	5
English	5	English	5
U. S. History (review)	4	Physiology	4
Penmanship	3	Correspondence	3
Bible	1	Bible	1

SECOND YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Book-keeping	4	Book-keeping	4
Commercial Law	2	Commercial Law	2
Elementary Algebra	4	Elementary Algebra	5
English	3	English	4
Civil Government	3	Modern History	4
Ancient History	3	Bible	1
Bible	1		

THIRD YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Higher Algebra	4	Higher Arithmetic	3
German, French or Physics	5 (3)	German, French or Physics	5 (3)
English	2	English	2
Astronomy	4	Botany	5
Typewriting	3	Typewriting	3
Bible	1	Bible	1

FOURTH YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
Book-keeping (review)	3	Arithmetic (review)	3
Geometry	5	Geometry	5
French, German or Geology	5 (4)	French, German or Physiography	5 (4)
English	5	English	2
Bible	1	Chemistry	3
		Bible	1

Accountant's Course.

<i>First Semester.</i>		<i>Second Semester.</i>	
Book-keeping	10	Book-keeping	10
Commercial Arithmetic	5	Commercial Arithmetic	5
Penmanship	3	Correspondence	3
Commercial Law	2	Commercial Law	2
Typewriting	2	Typewriting	2
Bible	1	Bible	1

Shorthand Course.

<i>First Semester.</i>		<i>Second Semester.</i>	
Shorthand	7	Shorthand	7
Penmanship	3	Correspondence	3
English	5	English	5
Typewriting	3	Typewriting	3
Commercial Law	2	Commercial Law	2
Bible	1	Bible	1

THE SCHOOL OF MUSIC.

JENNIE E. WAGNER,
PRINCIPAL.

Pianoforte, Harmony and Theory.

MRS. JOSEPHINE ST. JOHN,
Voice Culture.

HERBERT A. MILLIKEN,
Violin.

Three courses of study are offered: Pianoforte, Voice Culture and Violin. Upon the completion of any of these courses with satisfactory public performances, a diploma will be given.

Pianoforte Course.

In the study of the pianoforte, while care is taken that the student is given a thorough foundation in technique, great stress is laid upon the expression of musical thought and the cultivation of a good style, that the works of the masters may be rendered with intelligent interpretation.

This course is divided into five grades, the time of completion of which will depend upon the talent and application of the pupil. Harmony, Theory and Musical History are required.

Certain studies are required for all students, but there are many works that may be essential for one student and not all necessary for another.

The following list is an outline of studies indicating the standard of technical difficulty:

GRADE I.

PREPARATORY.

Emery's Foundation Studies; Mathews; Loeschhorn, op. 65, Book I; Gurliitt, op. 117; Le Couppey, op. 17; Heller, op. 125; Technical Studies by Vogt and Turner; Hand Culture.

GRADE II.

Loeschhorn, op. 52, Book I; Loeschhorn, op. 66, Book I; Schmidt, op. 114, Book I; Heller, op. 119, 47; Reinecke, op. 77; Mathews; Sonatinas by Clementi, Kuhlau and others.

GRADE III.

Preparatory exercises by Aloys Schmidt; Krause, op. 2, Book I (Trill Studies); School of Velocity, by Hasert and Czerny; Mathews; Little Preludes by Bach; Cramer, Book I; Sonatas and pieces by Haydn, Clementi, Mozart and others.

GRADE IV.

Cramer; Two and Three-part inventions by Bach; Czerny, op. 299; Selections from Art of Dexterity, op. 740, Czerny; English suite by Bach; Sonatas and pieces by Mozart, Mendelssohn, Beethoven, Chopin and others. Kullak, Octave Studies, Book I.

GRADE V.

Czerny, op. 740; Gradus ad Parnassum by Clementi; Preludes and Fugues from the Well-Tempered Clavichord by Bach; Studies by Moscheles, op. 70; Kullak Octave Studies, Book II; Sonatas and other solo works by Beethoven, Chopin, Schumann, Liszt, and Mendelssohn.

Vocal Course.

This course comprises Voice Culture, Harmony, Theory, Musical History and Pianoforte grades I and II.

The vocal work is divided into five grades, corresponding to the pianoforte course; but no definite time is fixed for the completion of any grade of the course, as the talents and application of the student determine the rapidity of his progress.

The purpose of this department is to cultivate the art of singing physiologically and æsthetically. At the same time something beyond mere technical skill is arrived at, in that a musicianly style of singing, together with an appreciation of and ability to render the works of the great masters is earnestly striven for.

GRADES I. AND II.

The different actions of the vocal chords throughout the various registers are established and the same carefully blended. Diaphragmatic breathing is thoroughly grounded; technical exercises to be sung mezzo de voce are given for the purpose of producing purity of tone and acquiring a good legato and flexibility. Solfeggi from Scharfe's first book; Sieber's Elementary Vocalises. Marchesi's, op. 5.

GRADES III AND IV.

The natural purity, richness and range of the voice are carefully extended, enunciation and intonation are thoroughly considered. Vocalises and Solfeggi during the work in these grades are taken from Sieber, op. 129 to 143 inclusive; Marchesi, op. 6; Concone, op. 10; and Scharfe's Second Book. Ballads and songs are used extensively. Practice in ensemble, in duet, trio, quartet, choir and chorus is furnished.

GRADE V.

In this grade artistic development in regard to tone in *sostenuto* and *pianissimo* is carried on, the range of the voice is carefully extended and accuracy and brilliancy in technical execution is further advanced. Vocalises are taken from Scharfe's III Book, Concone's, op. 12; Bighini's Marchesi's, op. 7; Bordogni's Studies for phrasing and flexibility. A repertoire of church and concert music is prepared. Arias from the operas and oratorios are studied. Ensemble singing is continued.

Violin Course.

This course comprises the study of the Violin, Harmony, Theory, Musical History and Pianoforte, grades I and II.

Ensemble playing is made a special feature. Pupils have the privilege of participation in duets, trios, quartets, rehearsals of the string orchestra class and the pupils' recitals which are given at intervals during the year.

GRADE I.

Easy exercises, studies and pieces. Intervals, embellishments, etc.

GRADE II.

Diatonic and Chromatic scales in all positions, bowing exercises, intervals. Selected solos of Dancla, DeBeriot and others.

GRADE III.

Intervals. Bowing exercises. Studies by Kreutzer and Alard, (op. 16). Selected concertos by Viotti, Rode, DeBeriot and others. Violin Sonatas by Haydn, Mozart, Schubert, etc.

GRADE IV.

Remainder of Kreutzer studies (Nos. 30 to 40), exercises by Leonard and Schradieck. Rode's 24 Caprices. Bow studies by Meerts. Violin Sonatas by Beethoven, Schumann, Grieg and others. Concertos by Viotti, Rode and Kreutzer. Pieces of classic and modern form.

GRADE V.

Studies by Dont and Paganini. Concertos by Spohr, Mendelssohn, Beethoven. Brilliant concert solos by De-Beriot, Bazzini, Wieniawski, Vieuxtemps, and others. Playing at sight of first violin part of Beethoven's String Quartets.

Sight Singing.

A class in the rudiments of musical notation and reading music at sight is conducted during each year. It is open to all students of the college. Special classes of three or four will be formed for more thorough and extensive work.

Ensemble Singing.

The Choral Society prepares for public performances choruses, cantatas and selections from the operas and oratorios. It is open to all students. Entrance tests as to quality of voice and ability to read music are required of all.

Harmony, Theory and Musical History.

Classes in these subjects are open to students who have entered upon the third grade.

Harmony—two years.

Theory—one year.

Musical History—(without extra tuition) one year.

Frequent reviews and tests are required, and examinations are given at the end of each semester. Candidates for graduation are required to pass a satisfactory examination in all of these subjects.

Recitals and Lectures.

In addition to the faculty recitals, artist recitals are given during the year.

By means of the pupils' recitals and numerous entertainments, an abundant opportunity is given the pupils for public performance.

A course of instructive lectures on musical topics is a new feature.

These recitals and lectures, with the exception of the artist recitals, are free to all students.

Orchestra.

The students of the violin department assisted by several resident players, have formed the college orchestra. Weekly rehearsals were held during the winter months under the direction of Mr. Milliken.

Mandolin and Guitar.

An instructor has been secured for those who desire to study either mandolin or guitar. The students of this department are expected to become members of the college mandolin club as soon as their ability permits.

Miscellaneous Items.

The study of the languages is recommended in connection with the musical studies. The musician who is educated broadly is the type in demand today.

Music students are allowed to take language study to the extent of five hours per week without extra charge.

No student of the department will be allowed to take a musical part in a public performance without the permission of the teacher with whom he is studying.

No deductions will be made for lessons missed except in case of protracted illness. In such case, the college will share the loss equally with the student.

The department furnishes a library of well-chosen music to which all students have access.

THE SCHOOL OF ART.

KATE L. BOOTH,
PRINCIPAL.

I. OBJECT.

The object of this School is to develop the power of observation, and to train the eye and hand to produce what is seen:

First, by a thorough study in black and white from various models, casts, etc.

Second, by studies in still life, preparing for more advanced work in sketching from nature and life.

The School is furnished with a good assortment of casts, a large addition having been made in recent years. A kiln for the firing of porcelain has also been provided, which further increases the efficiency of the Decorative Department.

II. COURSES OF STUDY.

FIRST YEAR.

Elementary principles of Drawing and Perspective in Pencil and Charcoal.

Drawings from Objects and Casts.

Sketching from Nature in Charcoal and Water Colors.

SECOND YEAR.

Sketching and Drawing from Still Life.

Grouping and Composition.

THIRD YEAR.

Sketching from Life in Pencil and Charcoal.

Study from Nature continued.

FOURTH YEAR.

Painting from Life and Nature exclusively.

The class in sketching from nature is continued throughout the spring and fall, as the season permits. This branch of the department, as well as sketching from life, receives special attention.

The work of the pupils will be on exhibition during Commencement Week.

It is especially desired that all students entering for a course in Art should be present at the opening of the semester.

GENERAL INFORMATION.

Suggestions to Applicants for Admission.

The requirements for admission to the College are presented on pages 9-12; to the Academy, on page 31. For an understanding of the nature and scope of the courses of study in the College, the applicant should study the description of the courses given on pages 12-24. The index at the end of this Catalogue will direct him to the page on which each subject is treated.

New students should arrive on Saturday or Monday before the opening of a semester, so as to conclude all necessary arrangements. A list of rooms and boarding places may be consulted at the College office in the main building. Lady students may repair directly to Ladies' Hall and consult the Lady Principal with regard to matters of personal interest.

Letters of inquiry may be addressed to the President or the Lady Principal.

Admission and Dismission.

Applicants for admission to any department of the institution will first report to the President for registration. They must present testimonials of good character, and those who are from other institutions of learning must furnish certificates of standing and honorable dismission. If they desire to enter any of the College courses, they will then report to the Dean; if any of the schools, as Art, Music, etc., they will report to the principal of the school. Those who do not bring diplomas or certificates from accredited schools will then be sent to the different instructors for examination. As soon as the candidate is informed of his admission, he will repair to the Secretary of the college and pay his first semester's bill.

All students admitted to the institution will be on probation for the first three months. If during this period a longer stay is by the Faculty deemed inadvisable in the case of any student, he may be so informed privately and permitted to withdraw.

Any student may, at any time, be privately dismissed if the Faculty deem his further connection with the institution undesirable.

Any student against whom there are no unpaid bills nor charges of misconduct, is entitled to an honorable dismission.

Studies and Examinations.

No student may take up a study out of the order prescribed in this Catalogue, or drop a study once entered upon, without the consent of the Faculty.

No College or Academy student is allowed to take more than nineteen hours of class-room work weekly, without permission of the Faculty.

Examinations are held at the close of each semester and at intervals during the semester at the discretion of the instructors. The results of the semester examinations are reported to parents and recorded for future reference.

If at any examination the standing of a student is unsatisfactory, he shall be duly informed and notice may be sent to his parents or guardians. If there be no improvement, the student may be dismissed from college.

Conditions must be removed within one year from the time of the examination.

Degrees and Certificates.

The degree of Bachelor of Arts is conferred upon graduates from the Classical Course; that of Bachelor of Philosophy upon graduates from the Philosophical Course; that of Bachelor of Science upon graduates from the Scientific Course; and that of Bachelor of Letters upon graduates from the Literary Course.

A second degree in any one of the above mentioned courses will be conferred only on graduates of two years' standing who shall have pursued advanced studies under the direction of the Faculty, and given satisfactory evidence of adequate attainments.

Students who complete the prescribed course in the Academy, the Pedagogical, the Commercial, the Music or the Art School will receive certificates of the fact.

Courses and Credits.

A "course" is five recitations of an hour in length per week for one semester. Twenty-eight such "courses," including one exercise per week in rhetorical work, are required for graduation.

College students are credited in this Catalogue with the number of hours completed at the end of the first semester of the year 1899-1900.

Location and Advantages.

The flourishing village of Alma is situated in Gratiot county, about thirty-nine miles west of Saginaw, and very near the geographical center of the lower peninsula. Its location at the junction of the Pere Marquette and the Ann Arbor railroads renders it easily accessible. The town has good sewerage and an excellent system of waterworks, and experience proves that it is exceedingly healthful. The moral tone of the community is high, its church privileges abundant and its public school system fully organized and efficient. Those who have children to educate and who desire to surround them with the influences of home life will make no mistake in choosing Alma as a place of residence.

College Buildings.

Of these there are at present five on the College campus: the main building, the ladies' hall, the library and the museum and gymnasium building. The first of these contains the College office, chapel hall, recitation rooms, laboratories and rooms for the Art and Music schools. The ladies' hall contains reception rooms, the dining room and suites for about thirty students. The library building contains the book room with shelving for 17,000 volumes, the reading room and the librarian's office, and is handsomely finished in hardwood and in all respects well adapted to its particular uses.

The gymnasium building contains the Founder's room, the Kindergarten room, the gymnasium and a locker-room. The room devoted to Kindergarten instruction is large and well lighted, and in other respects well adapted for both school and class purposes. The gymnasium occupies the entire upper floor of the edifice and with its equipment of scientific apparatus, the generous gift of Mr. John W. S. Pierson of Stanton, Mich., furnishes adequate facilities for athletic training. Here daily classes in Physical Culture under competent instruction offer to all the opportunity for that systematic training of the body which is so essential to the health of the student.

The Hood Museum of Natural History, the gift of Mrs. Francis Hood and Frank Hood, of Saginaw, is to be finished by June 1, and will be dedicated in Commencement week.

It is built of rock-faced paving brick trimmed with red sandstone, is two stories and a basement in height with slate roof and is the finest building in architectural effect on the campus.

These edifices are of brick and stone and have a pleasing appearance. They are heated by steam from a central heating plant.

The Libraries.

The Libraries of Alma College comprise:

- (1.) The General Library.
- (2.) The Pollasky Law Library.
- (3.) The Lucy Plum Mitchell Library of History and Political Economy.
- (4.) The Sarah H. Lancashire Library.
- (5.) The Arthur Hill Library of Lincolniana.

These libraries contain 16,569 volumes and a valuable collection of pamphlets.

The collection embraces a great variety of works in Classical, English and Foreign Literatures, in Biography and History, in the various Sciences and Arts and is exceptionally well furnished with encyclopædias and complete sets of American and European reviews. They are classified and arranged according to the Dewey system, and an index of authors, titles and subjects places the contents of the Library at the command of all who are in search of information upon any subject.

Immediately adjoining the Library Room is the Reading Room, supplied with cases of reference books and the leading journals and periodicals of this country and England.

The Law Library, the gift of Marcus Pollasky, of Detroit, Mich., consisting of 782 volumes and occupying a separate alcove, is, during library hours, accessible to members of the bar, who are cordially invited freely to avail themselves of its privileges.

The Lincolniana, the gift of the Hon. Arthur Hill, of Saginaw, fills a large case in the Reading Room.

Both the Library and Reading Room are open every weekday during the term from 9 A. M. to 12 M., and from 1:30 P.

M. to 5 P. M. with the exception of Saturday, when the hours are from 1:30 P. M. to 5 P. M. During vacations they are open two or three afternoons a week.

Students may examine and use the books and periodicals during library hours and may draw one book at a time to be taken away and retain one week, and, if renewed, one week longer. All other persons are allowed to use the Library and Reading Room freely, and on the payment of an annual fee of \$1.00 are permitted to draw books on an equal footing with the students. Transient visitors in town are charged twenty-five cents per month. Resident ministers of the gospel and their families are permitted to draw books free of charge.

We gratefully acknowledge gifts from: Rev. L. B. Bissell, Monroe; Mrs. N. B. Bradley, Bay City; Rev. G. L. Woodhull, D. D.; J. H. Plum, Indianapolis, Ind; The State; Bryant Walker, Detroit; Secretary of the Interior; Sound Currency Association; Dr. McCorkle, Detroit; Dr. Alfred C. Lane, Lansing; Mrs. Helen Gould, Saginaw; The Smithsonian Institution; Lafayette Post, New York; Hon. Arthur Hill, Saginaw; Dr. Geo. H. Feurbringer, Saginaw; Harvard University; Hon. N. B. Bradley, Bay City; American Union League Co.; Class in Logic '99; The Music Department; Mrs. J. H. Lancashire, Ammi W. Wright, C. F. Brown and Dr. A. F. Bruske, of Alma.

Francis A. Hood Museum.

At Commencement, 1897, the Museum was formally opened in the east room of the ground floor of the Gymnasium Building. The installation of the collections in this place and the equipments of the Museum, had been made possible by the generous gifts of Mrs. Francis A. Hood, of Saginaw, and her son, in memory of Mr. Hood, to whom the museum is dedicated. At Commencement, 1900, The Hood Museum will be formally opened again, in the new building west of the Library, which will be wholly devoted to its needs. This building has two large exhibition halls, lighted in such a way as to give the largest possible space for the display of the collections. In the basement will be store-rooms, and laboratories for the preparation of specimens, making the building the most complete and convenient museum building in the state.

In this building it is hoped that the museum will become to students of science what the library is to students of literature and history, and it is proposed to make every specimen in it as accessible for study and comparison as the books in the library are.

The cases in use in the museum are built of oak, constructed on plans furnished by the U. S. National Museum, and are provided with adjustable shelves, dust and insect-proof doors, etc. At present the geological and minerological collections are the only ones systematically installed, but the re-arranging and installing of the other material will be carried on as rapidly as possible until it is all mounted and labeled in such a manner as to be of the greatest possible use and interest to the students and to the general public.

The collections of the College embrace the Crawford and Stillwell collections of birds, the Shroyer-Wilcox collection of fossils, and a large number of specimens of rocks, ores, minerals, etc., obtained by purchase and gifts.

Specimens have been added to the museum during the year by the following donors and the gifts are gratefully acknowledged: Mrs. T. Jerome, Saginaw; Wm. A. Howe, Omer; Weston T. Johnson, '99; F. J. Martin, Findlay, O.; C. S. Marsh & Son, Lyon; Hon. N. B. Bradley, Bay City; President A. F. Bruske, Alma; James Laing, Cass City; Geo. Reed, Mt. Pleasant; William Thomas, Alma; U. S. Geological Survey, Washington, D. C.; Fred Fullerton, Alma; Dr. Graham, Sumner.

Laboratories.

The equipment of the Physical Laboratory is ample for experimentation in Mechanics, Hydrostatics, Light, Heat, Sound and Electricity. The Laboratory is supplied with gas, water, tables and other appliances, which add very materially to its facilities for scientific work.

The Biological Laboratory is furnished with all necessary apparatus for thorough practical work. The equipment consists of a sufficient number of compound and simple microscopes, section instruments and micro-re-agents, and such other accessories as are required.

The eleven-inch reflecting telescope loaned to the College by C. H. Chase, of Ithaca, has been placed in a convenient position on the campus, and work in Astronomy can now be made much more practical than heretofore.

The Chemical Laboratories now occupy the entire basement of the east wing of the recitation hall. This nearly doubles the laboratory space and will give much needed room for students in quantitative and special courses.

The General Laboratory is fitted up with tables, apparatus and chemicals, and will, as arranged at present, accommodate twenty-four students. Each desk is supplied with gas and water under pressure, re-agents and necessary apparatus. Particular attention has been given to procuring apparatus for hastening tedious processes as much as possible, and to convenience of arrangement. Ventilating hoods have been placed over the tables and much improved ventilation is the result.

The Quantitative Laboratory is provided with fine balances, combustion and crucible furnaces, etc.

The Chemical Department also possesses a fine spectroscope and a sufficient amount of miscellaneous apparatus for thorough practical work.

Enlarged Campus.

The campus has been enlarged by the gift of one and a half blocks of land south of the college at an expense of \$2,200 to the donors, Mr. Ammi W. Wright and Mrs. Sarah H. Lancashire. This will enable the College to put the buildings planned for the immediate future across the street from the present buildings and have the vacant campus for play-grounds and athletic field.

Terms and Vacations.

Three terms comprise the college year:

A fall term of thirteen weeks, followed by the holiday vacation of two weeks.

A winter term of twelve weeks, followed by a vacation of one week.

A spring term of eleven weeks, followed by the summer vacation of twelve weeks.

For the purpose of instruction and examination, the year is divided into two semesters of eighteen weeks each.

For the dates of the opening and closing of terms and semesters, see Announcements at the beginning of this Catalogue.

Religious Exercises.

All students are required to attend weekly exercises for the study of the Bible, devotional exercises daily in the college chapel, and public religious worship on Sunday morning. Unless request is made to the contrary by parents or guardians, all students will attend worship at the Presbyterian church.

Religious Societies.

Young Men's and Young Women's Christian Associations have been maintained during the entire history of the College. The object of these Associations is to promote growth in grace and Christian fellowship among their members, and aggressive Christian work, not only by and for students but in the whole community; to train young men and women for active Christian service, and to lead them to devote their lives to Jesus Christ. To this end Bible classes, Sunday schools, and a volunteer band for mission work are maintained. Union prayer meetings are held on Wednesday evenings and separate prayer meetings on Sunday afternoons. These are well sustained and productive of great good.

The Associations issue an annual hand-book which contains a large amount of information especially valuable to new students. On their arrival new students are met, warmly welcomed, made to feel at home, and assisted in every possible way by representatives of these Associations.

Literary Societies.

Five literary societies are in active operation; the *Zeta Sigma* and *Alpha Theta*, for the College students; the *Adelphic* and *Philomathean*, for both College and Academy students; and the *Fræbel Club*, for members of the Kindergarten Department. The *Zeta Sigma* and *Adelphic* are conducted by the young men; the *Alpha Theta*, and *Philomathean*, by the young women. The aim of these societies is the development of a correct literary taste and of the power of precise and ready expression.

These societies have been organized with the approval of the Faculty and are under its general care.

Classical Club.

A Classical Club has been maintained during the past year under the immediate supervision of the professors of Greek and Latin. The aim of this club is the promotion of an interest in Archæology and Classic Literature. The club is open to members of College classes in Greek and Latin, and holds its meetings once in two weeks.

Ladies' Hall.

MARY A. CLARKE,
PRINCIPAL.
MRS. MARY E. ABELL,
Matron.

Ladies' Hall is under the immediate supervision of the Principal, who is directly responsible for the government of the young ladies. She will assign them their rooms and room-mates, change the same when deemed advisable, and have the general supervision of their personal habits and moral interests.

Any young lady wishing to enter the institution should make application to the Principal by letter and at an early date, giving age and acquirements, and stating wishes as to room, course of study, etc. Girls under fifteen years of age will not be received, except by special arrangements.

Parents and guardians are invited to communicate freely with the Principal touching the interests of their daughters and wards, thus enabling her to understand and meet the peculiar needs of each student.

Lady students wishing to room outside of Ladies' Hall are required to obtain permission to do so from the Faculty.

The rooms are arranged in suites for two students. If one student occupies a suite, the regular rent will be charged.

Necessary heavy furniture is provided, including table, book-shelves, chairs, hanging lamp, bedstead, mattress, washstand, etc. Carpets and other articles of furniture may be provided by the young ladies at pleasure.

Young ladies are expected to furnish one pair of sheets, pillow-slips and towels. If preferred, these will be furnished at a small additional expense. All bedding and linen should be marked with the owner's full name.

Easy flights of stairs connect the halls with the dining-room on the first floor, and with the toilet and bath rooms on the second and third floors.

Rooms on the second floor are \$1.25 per week; rooms on the third floor, 75 cents per week.

Aid for Students.

The sons and daughters of home and foreign missionaries are granted free tuition.

Students preparing for the ministry of the Presbyterian church can usually receive aid from the Board of Education to the amount of \$80 per year.

The interests of students of limited means are in charge of a committee of the Faculty on aid to students, which will carefully administer any fund that may be placed in its hands for this purpose.

Since Publishing this catalogue the arrangements with the Beet Sugar Company have been discontinued.

Students can find employment on the farms where the beets grow. In this way any young man who has health, courage and good sense, can use all his time to the best advantage, educating the hand and the brain alike.

Brief Beet Sugar Course.

Believing that many young men will come here who will wish to know both the science and the art of the beet sugar industry, which promises so much for our state, the College has arranged a special course of six weeks in the second semester, which will be devoted to a most thorough discussion of the subject. A laboratory will be fitted up illustrating the growth of the plant and the various stages of its manufacture into sugar. The chemical processes will be shown and everything will be done to make the student a skilled workman in every branch of the industry.

Classical Club.

A Classical Club has been maintained during the past year under the immediate supervision of the professors of Greek and Latin. The aim of this club is the promotion of an interest in Archæology and Classic Literature. The club is open to members of College classes in Greek and Latin, and holds its meetings once in two weeks.

Ladies' Hall.

MARY A. CLARKE,
PRINCIPAL.

MRS. MARY E. ABELL,
Matron.

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The interests of students of limited means are in charge of a committee of the Faculty on aid to students, which will carefully administer any fund that may be placed in its hands for this purpose.

We believe that there is nowhere such an opportunity for self-help as at Alma. Arrangements have been made with the managers of the Beet Sugar Factory whereby they agree to give employment to 150 young men from September 1 to February 1 of each year, at from \$1.00 to \$2.00 per day. The factory closes at the time when the second semester of College opens. The young men can take their earnings and immediately apply them toward getting an education. During the long summer vacation the students can find employment on the farms where the beets grow. In this way any young man who has health, courage and good sense, can use all his time to the best advantage, educating the hand and the brain alike.

Brief Beet Sugar Course.

Believing that many young men will come here who will wish to know both the science and the art of the beet sugar industry, which promises so much for our state, the College has arranged a special course of six weeks in the second semester, which will be devoted to a most thorough discussion of the subject. A laboratory will be fitted up illustrating the growth of the plant and the various stages of its manufacture into sugar. The chemical processes will be shown and everything will be done to make the student a skilled workman in every branch of the industry.

Permanent Scholarships.

About three years ago a beginning was made in a kind of investment not new to other Colleges. By reference to another page of the Catalogue it will be found that the regular charge with us for one year is \$32, which includes incidental expenses. If a deserving person is assisted to that amount, the privileges of the College are absolutely free to him. He will then have to meet only the regular expenses of living. To many, such an amount of help means the only open door to an education. By investing \$500.00 at 6 per cent. this is secured. Both churches and individuals have therefore been urged to found such scholarships by the gift of \$500. We already have twenty-one permanent scholarships and twenty-three annual. We greatly need one hundred more and we hope that the generous people of Michigan will give us these at an early day.

The Saginaw First Church Scholarship, with an income of thirty-two dollars a year, was founded in 1894 by a gift of five hundred dollars from the First Presbyterian church of Saginaw, W. S. The nomination to this scholarship is in the gift of the session of the church donating it.

The Marion Plum Scholarship Fund of five hundred dollars was given in 1895 by J. H. Plum, Esq., of Indianapolis, Indiana. The annual income of thirty-two dollars is paid to a student in avowed need of beneficiary aid, of unexceptionable character and high rank in scholarship.

The Laurence Scholarship was established in 1895 by an endowment of five hundred dollars from Leonard Laurence, Esq., of Detroit. The income of this scholarship is given to an indigent and worthy student elected by the session of the Memorial Presbyterian church, Detroit.

The Mrs. Colvin Scholarship, which when completed will have a foundation of five hundred dollars, is the gift of C. A. Colvin, Esq., of South Saginaw. The annual income is awarded to a deserving and needy student who has shown evidence of proficiency in his studies.

The Thomas Merrill Scholarship, being the income of a fund of five hundred dollars, was founded in 1895 by Thomas Merrill, Esq., of Saginaw, and is given each year to a college student who has shown good standing in character and scholarship.

The Memorial Presbyterian Church Scholarship is the gift

of Rev. David M. Cooper, D. D., of Detroit. It has an endowment of five hundred dollars, the annual income of which is awarded to a student elected by The Memorial Church, with the advice and consent of the President of the College.

The Martha P. Seeley Memorial Scholarship, was established in 1895 by John M. Seeley, of Caro, Mich., in memory of his wife. The income of a fund of five hundred dollars is assigned to a College student each year on the ground of high character and approved scholarship.

The Harry G. Kelton Memorial Scholarship, of five hundred dollars, was given in 1897 by John M. and Mary E. Kelton, of West Bay City, Michigan, in memory of their son Harry. The yearly income of thirty-two dollars is awarded to some needy and worthy student of high character selected by the session of the Westminister Presbyterian Church, West Bay City.

The Charles D. Chatfield Memorial Scholarship, with a fund of five hundred dollars, yielding an annual income of thirty-two dollars, is the gift of Clarence B. Chatfield, Esq., of Bay City. The incumbent must be an earnest and diligent student of high character and good ability.

The Heartt Scholarships, five in number—one a memorial of Mrs. Heartt—having together an endowment of two thousand five hundred dollars, were established by our generous friend, Mr. William A. Heartt, of Caro, Mich. The annual income of one hundred and sixty dollars is devoted each year to the support of five poor and meritorious students.

The Lucy Plum Mitchell Memorial Scholarship, established May 20, 1898, by Professor James Mitchell, in memory of his wife Lucy Plum Mitchell, consists of the income of a gift of five hundred dollars, assigned each year to a deserving student of small means to be selected by the donor with the advice and consent of the President.

The Edith M. Davis Scholarship, founded in 1898, and endowed with five hundred dollars, is the gift of Mrs. Charles Davis, of Saginaw. The nomination to this scholarship is in the gift of the First Presbyterian church of Saginaw.

The Lull Scholarship, was founded in 1898 by a gift of five hundred dollars from Albe A. Lull, Esq., of Pontiac, Mich. The annual income is given each year to some needy and worthy student.

The T. R. Shaver Scholarship, was founded in 1898 by a gift of five hundred dollars from T. R. Shaver, Esq., of West Bay City. The annual income is awarded each year on application to a student in need of financial aid, of good character and high rank in scholarship.

The Louis Penoyer Memorial Scholarship, was founded in 1898 by Mrs. Emeline Penoyer, of Saginaw, in memory of her husband, Louis Penoyer. The annual income from five hundred dollars is given each year to a student of high character and good scholarship, selected by Chancey M. Penoyer, of Saginaw, with the approval of the President.

The J. Albert Trompou Scholarship, was founded March 6, 1899 by David A. Trompou, of Bay City. The income of five hundred dollars is to be given each year to a worthy student of small means.

The D. B. Perry Scholarship, established Oct. 2, 1899 by D. B. Perry, Esq., West Bay City, consists of the income of five hundred dollars and is to be given each year to a deserving student of small means who shall be selected by the donor with the consent of the President.

Besides the permanent scholarships, annual scholarships yielding the same income as the permanent have been taken by the following:

The Alumni Association.

The Presbyterian Church of Albion.

“ “ “ “ Caro.

“ “ “ “ Fenton.

“ “ “ “ Grand Haven.

“ “ “ “ Ithaca.

“ “ “ “ Midland.

The ladies of Memorial Presbyterian Church, Bay City.

Bible class of First Presbyterian Church, Detroit.

Hon. H. H. Swan, Detroit.

Ransom Gillis, Esq., Detroit.

Hon. S. M. Cutcheon, Detroit.

E. T. Carrington, Esq., West Bay City.

Mrs. Charlotte Carrington, West Bay City.

Mrs. Grace E. Goodwin, West Bay City.

Mrs. Kate H. Fisher, West Bay City.

Miss Nellie E. Fisher, West Bay City.

Miss F. K. Fisher, West Bay City.

Mrs. Helen Gould, Saginaw, W. S.

W. F. Pierson, Esq., Saginaw, E. S.

Charles Green, Esq., Saginaw, W. S.

Robert S. Tracy, Esq., Sturgis.

John W. S. Pierson, Esq., Stanton.

Free Scholarships.

Seventy annual scholarships are divided between the College and Academy as follows; thirty of them give entrance to the College from accredited high schools having twelve grades, and forty admit to the Academy from accredited schools having eight to twelve grades, and from district schools having eight grades.

Remember that a free scholarship gives all the literary advantages of the College "without money and without price." No bills, except for laboratory fees, will be presented by the College to the student who holds one of these scholarships.

They are offered to young people of Michigan (men and women alike) upon these conditions:

- (1.) The student must have an average standing of 90 from the school in which he studied the previous year, or
- (2.) He must have stood at the head of his class.
- (3.) He must be a person of good moral character.
- (4.) He must satisfy the College that he is in need of such help.

Prizes.

The Hubert John Ewing Memorial Prizes. These prizes of \$20 and \$10 respectively are offered to the members of the Sophomore class, for excellence in the Greek of the Freshman and Sophomore years.

The Latin Prizes. Two annual prizes of \$20 and \$10 each are offered by Miss M. C. Gelston, the Professor of Latin, to the members of the Sophomore class for excellence in the Latin of the Freshman and Sophomore years.

The Megaw Prize for Delivery. To promote effective utterance in public, the Rev. Samuel Megaw offers a first prize of \$10 and a second of \$5 to those students graduating from the Academy who prove most effective in the delivery of their graduating productions.

The New Jersey Alumni Association Medals. These are given to those members of the Freshman class, one a gentleman and one a lady, who prove themselves best in the matter and manner of an oration and essay.

Lectureships.

The Arthur Hill Foundation.—The following lecturers have been heard during the year on topics of international interest: Lieut. George L. Carden, U. S. Navy; James B. Angell, LL. D., President of the University of Michigan; Richard Hudson, A. M., Professor of History at the University of Michigan.

The William A. Heartt Foundation.—Lectures on questions of reform, especially temperance, have been secured from Hon. Samuel Dickie, Albion; Sylvester F. Scovel, D. D., Ex-President of the University of Wooster.

General Principles of Conduct for All.

- (1.) Respect yourself.
 - (2.) Have regard for the rights of others.
 - (3.) Do nothing which you would be unwilling to have your parents know.
-

College Alumni Association.

President,	-	-	-	-	-	James Mitchell, '93
Vice President,	-	-	-	-	-	Elizabeth Jones, '96
Rec. Secretary,	-	-	-	-	-	Ralph C. Ely, '92
Cor. Secretary,	-	-	-	-	-	Bertha Trask, '91
Treasurer,	-	-	-	-	-	Kendall P. Brooks, '97

The Association was formed by the class of '91. It has had a vigorous growth, and has come to be regarded as an important and influential College organization. Its regular meeting is held on the Wednesday of Commencement week, which has been designated as "Alumni Day."

Alumnae Association of the Kindergarten Training Department.

President,	-	-	-	-	Miss Kate Carpenter, '93
Vice President,	-	-	-	-	Miss Mary A. Schoettle, '99
Secretary and Treasurer,	-	-	-	-	Miss Edah Blanchard, '98

This organization has a large and enthusiastic membership and bright prospects for a useful future. Its third annual meeting will be held on Wednesday afternoon, June 27, 1900.

Expenses.

LADIES' HALL.

Board, \$2.25 per week, for the year	\$81 00
Fuel and light, two in a room, for the year	10 00
Room rent, two in a room, for the year	\$13 50 to 22 50

COLLEGE.

Semester bill \$16.00, for the year	\$32 00
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ACADEMY.

Semester bill \$8.00, for the year	\$16 00
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COMMERCIAL SCHOOL.

Semester bill \$8.00, for the year	\$16 00
Typewriter fee, per semester	3 00
Book-keeping supplies, full course	10 00

MUSIC SCHOOL.

Pianoforte, Voice, Stringed Instruments, each,	
One 30 minute lesson a week, per semester	\$13 00
Two 30 minute lessons a week, per semester	23 00
Three 30 minute lessons a week, per semester	30 00
One 45 minute lesson a week, per semester	15 00
Harmony, Theory, per semester, each,	5 00
Use of piano, one hour a day, per semester	\$ 4 00
Use of piano, two hours a day, per semester	6 00
Use of piano, three hours a day, per semester	8 00

ART SCHOOL.

Oil and China Painting, Water Colors, and Crayon Drawing:	
Twenty-four lessons, per semester	\$12 00
Twelve lessons, per semester	8 00
Charcoal and Perspective Drawing:	
Twenty-four lessons, per semester	\$ 6 00
Twelve lessons, per semester	4 00
Single lessons, not in course	75
Use of rooms and models, three hours daily, per semester	3 00
Lessons are two and a half hours in length.	

KINDERGARTEN TRAINING DEPARTMENT.

Semester bill, first year \$25, for the year	\$50 00
Semester bill, second year \$20, for the year	40 00

OTHER CHARGES.

Laboratory fee, Chemistry, per semester	\$ 3 00
Laboratory fee, Biology or Physics, per semester	2 00
Diploma fee	5 00
Certificate fee	1 00

REMARKS.

The sons and daughters of home and foreign missionaries are granted *free tuition*.

Students in the business Course may take Shorthand one semester *free*.

The books and material for the Kindergarten work will average about \$9.00 per year.

Art and Music students are allowed to take Academic work to the extent of five hours per week, without extra charge.

Charges in all departments must be paid by the semester in advance, and board at Ladies' Hall by the month in advance.

In the College the regular expenses for a year are \$130 to \$145; in the Academy, \$120 to \$130; in the Kindergarten Department, \$140 to \$150; in the Commercial School, \$120 to \$130. These amounts can be largely reduced through various forms of self-help.

Form of Bequest.

ITEM—I hereby give and devise to Alma College, situated in Alma, Gratiot county, Michigan, the sum of..... dollars.

THE CATALOGUE OF STUDENTS.

THE COLLEGE.

Graduates in 1899.

Maud Hartness Bishop, Ph. B.,	-	-	Lansing
Frances Thorne Booth, B. L.,	-	-	Alma
Weston T. Johnson, A. B.,	-	-	Cleveland, O.
Harry Erastus Porter, A. B.,	-	-	Alma

Undergraduates.

Lucius Saxton Bagley, sc., 29	-	-	Alma
William Raymond Baker, sc., 17	-	-	Alma
Raymond Bangs, sp.,	-	-	Alma
John Northrup Booth, cl., 41	-	-	Alma
Wesley Bradfield, cl., 55	-	-	Decatur
William Elton Brock, sc., 39	-	-	Alma
Reuben Brown, sp., 50	-	-	Ithaca
Henry Peter Bush, Jr., ph. 74	-	-	Unionville
Carolyn Arnold Butler, cl., 88	-	-	Alma
Winifred Faye Carl, cl., 88	-	-	Wyandotte
Donald Stewart Carmichael, cl., 95	-	-	Calumet
Annabelle Chisholm, sc., 56	-	-	Newberry
Amos Ralph Eastman, cl., 68	-	-	Harbor Springs
Anna Maude Dieter, sp., 9	-	-	Saginaw
Egbert Erven Fell, cl., 49	-	-	Ithaca
Margaret Ellen Fitz Patrick, ph., 11	-	-	Stanton
Edith Atta Foote, sc., 13	-	-	Ithaca
Jacob Chamberlain Foote, lit, 123	-	-	Ithaca
Jessie Frances Frederick, cl., 8	-	-	Alma
Pearl Fuller, sc., 12	-	-	Alma
Frank N. Grover, sp.,	-	-	Alma
Daisy Leona Hard, ph., 85	-	-	Alma
Bessie Pauline Hazelton, cl., 26	-	-	Stanton
Arthur James Helmer, sc., 13	-	-	Parma
George Andrew Hill, cl., 107	-	-	Alma
Essy Gertrude Hooper, sc., 23	-	-	Alma
Martha Agnes Hope, sc., 35	-	-	St. Johns
Charles J. Killeen, sc.,	-	-	St. Louis
George Kinne, sc., 36	-	-	Ypsilanti
Charles Edward Long, sc., 29	-	-	Ithaca

Rev. Alfred H. McComb, sp., 10	-	-	Alma
Hugh Macdonald, sp., 13	-	-	Saginaw
Robert Ivan McKee, sp., 21	-	-	Alma
David Magaw, cl., 116	-	-	Gooding
Francis James Martin, sp., 11	-	-	Hamilton, Ont.
Sadie Messinger, sc., 22	-	-	Alma
William George S. Miller, sc., 20	-	-	Cass City
Clay Wyman Mott, sc., 13	-	-	Ithaca
Myrtle Ione Nicholson, ph., 18	-	-	Manistique
Mary Wheeler Plum, cl., 122	-	-	Minneapolis, Minn.
George Basil Randels, ph., 111	-	-	West Unity, O.
Harry Elmer Reed, cl., 82	-	-	Howell
Orill Reichard, sp., 56	-	-	Ithaca
Watson Bryant Robinson, cl., 86	-	-	Vestaburg
Hugh Norman Ronald, cl., 10	-	-	Marlette
John Silvin Shiner, ph., 14	-	-	Wheeler
Charles Wesley Sidebotham, cl., 87	-	-	Alma
Henry Herbert Soule, ph., 14	-	-	Flint
Laura B. Soule, lit., 13	-	-	Flint
Alice Belle Thompson, ph., 24	-	-	Alma
Theodore George Timby, sc., 13	-	-	Alma
Eugene Bruce Tinker, sc., 20	-	-	Alma
Winifred Grace Trapp, cl., 84	-	-	Alma
Nellie Howe Waterbury, cl., 10	-	-	Ithaca
Alice Louise Wing, ph., 13	-	-	Ludington
Audley Willson, ph., 33	-	-	Denmark

THE ACADEMY.

The Fourth Year.

Kate Bair,	-	-	-	Alma
Oscar S. Barker,	-	-	-	Newmarket, Ont.
Mary E. Dearing,	-	-	-	Alma
J. Wirt Dunning,	-	-	-	Montague
Clara A. Eschliman,	-	-	-	Vestaburg
Mary L. Eschliman,	-	-	-	Vestaburg
Carlton P. Forbes,	-	-	-	Vassar
J. Carlton Hard,	-	-	-	Alma
Rie Lockwood,	-	-	-	Alma
James L. McBride,	-	-	-	Corunna
Queenie M. Perry,	-	-	-	West Bay City
R. Hurd Sanford,	-	-	-	Alanson

Louise T. Strange,	-	-	-	Grand Ledge
Raymond G. Swigart,	-	-	-	Middleton
Herbert A. Wilcox,	-	-	-	Alma

The Third Year.

Esther M. Bruske,	-	-	-	Alma
William H. Caple,	-	-	-	Alma
Millie B. Cuvrell	-	-	-	Alma
Marjorie W. Dearing,	-	-	-	Alma
Floyd Glass,	-	-	-	Alma
John M. Northrup,	-	-	-	Detroit
John G. Schwaderer,	-	-	-	Cass City
Elvira L. Stark,	-	-	-	Otter Lake
Laura E. Thomas,	-	-	-	White Lake
Jerome E. Webber,	-	-	-	Alma

The Second Year.

William J. Robinson,	-	-	-	Vestaburg
Emily S. Stark,	-	-	-	Otter Lake
Jose Carballiera,	-	-	-	San Juan, Porto Rico
Charles Joslin,	-	-	-	Alanson

The First Year.

Louisa A. Andrews,	-	-	-	Ann Arbor
Leroy D. Buell,	-	-	-	Elmira
Mary M. DuBois,	-	-	-	St. Louis
Arthur Hoffmyer,	-	-	-	Wheeler
George W. Mott,	-	-	-	Detroit
James Russell,	-	-	-	Millbrook
May E. Snover,	-	-	-	Silverwood
Eliza P. Stark,	-	-	-	Otter Lake

Irregular Students.

Bert C. Calahan,	-	-	-	Alma
Eleanore S. Christie	-	-	-	Kinsman, O
Alice Clark,	-	-	-	Breckenridge
Florence Coulter,	-	-	-	Alma
Charlotte Hallas,	-	-	-	Grand Haven
Anna E. Mahoney,	-	-	-	Elmira
Luis M. Perez,	-	-	-	Kingston, Jamaica
John Robinson,	-	-	-	Vestaburg
Metta M. Sincleir,	-	-	-	Alma
William H. Vandusen,	-	-	-	Carson City
William E. Ward,	-	-	-	Alma
Benjamin O. Willebrands,	-	-	-	Detroit
Rev. Herbert E. Wylie,	-	-	-	Elm Hall

KINDERGARTEN TRAINING DEPARTMENT.

Faith Brooks,	-	-	-	-	Columbus
Bessie M. Brodie,	-	-	-	-	Manistee
Mabel Caldwell,	-	-	-	-	Ann Arbor
Margaret I. Christie,	-	-	-	-	Kinsman, O.
Mabel Graham,	-	-	-	-	Saginaw
Grace M. Grant,	-	-	-	-	Saginaw
Grace R. Hedges,	-	-	-	-	Chicago, Ill.
Burdella Henderson,	-	-	-	-	Bristol, O.
Gracia Mauser,	-	-	-	-	North Star
Bess Eunice Merriam,	-	-	-	-	Saginaw
Mary A. Mitchell,	-	-	-	-	- Detroit
Jessie F. Myers,	-	-	-	-	Kansas City, Mo.
Anna H. Sanderson,	-	-	-	-	- Akron
Evaline Stark,	-	-	-	-	Otter Lake
Edna M. Swigart,	-	-	-	-	Middleton
Mabel Terwilliger,	-	-	-	-	Montague
Jessie P. Thompson,	-	-	-	-	- Alma
Isa Tracy,	-	-	-	-	Ithaca
Camilla M. Wheeler,	-	-	-	-	Northville
Mabel E. Wood,	-	-	-	-	Caro
Harriet Woodward,	-	-	-	-	- Alma

THE COMMERCIAL SCHOOL.

Clem E. Barnes,	-	-	-	-	- Alma
Frank A. Bennett,	-	-	-	-	- Alma
Harlan W. Clatworthy,	-	-	-	-	- Alma
Bernice Feek,	-	-	-	-	- Laingsburg
May Hodgkins,	-	-	-	-	- Alma
Joel C. McCarty,	-	-	-	-	- Alma
Charles L. Phelps,	-	-	-	-	- Caro
Susanna Rumbaugh,	-	-	-	-	- Cleveland, O.
Edwin Stoutenburgh,	-	-	-	-	- Alma

THE SCHOOL OF MUSIC.

Linda Armstrong,	-	-	-	-	- Farwell
Gretta Bagley,	-	-	-	-	- Alma
Lucius S. Bagley,	-	-	-	-	- Alma
Oscar S. Barker,	-	-	-	-	- Newmarket, Ont.
Mrs. Mathew P. Bowie,	-	-	-	-	- Hesperia
Bertha Blair,	-	-	-	-	- Middleton

Bessie M. Brodie,	-	-	-	Manistee
Rena J. Buell,	-	-	-	Elmira
Henry P. Bush, Jr.,	-	-	-	Unionville
Jose Carballiera,	-	-	San Juan,	Porto Rico
Rose C. Chisholm,	-	-	-	Grand Marais
Margaret Christie,	-	-	-	Kinsman, O.
Eleanore Christie	-	-	-	Kinsman, O.
Mary A. Clarke,	-	-	-	Alma
Mary E. Dearing,	-	-	-	Alma
Ernest J. Ewing,	-	-	-	Alma
Lena Fink,	-	-	-	Alma
Mrs. F. Fullerton,	-	-	-	Alma
Mrs. Horace Gaussen,	-	-	-	Columbus, O.
Alice B. Grafton,	-	-	-	Roseburg
Gertrude Gruber,	-	-	-	Shepherd
Burdella Henderson,	-	-	-	Bristol, O.
Winnie Griffin,	-	-	-	Alma
Roy Hayt,	-	-	-	Alma
Walter Hayt,	-	-	-	Alma
George Hill,	-	-	-	Alma
Essy Hooper,	-	-	-	Alma
Mabelle M. Howard,	-	-	-	Munising
Louise Jefferson,	-	-	-	Alma
Helen Lancashire,	-	-	-	Alma
Clyde Lathrop,	-	-	-	Alma
Mrs. Marcia J. McComb,	-	-	-	Alma
James L. McBride,	-	-	-	Corunna
May C. McCoy,	-	-	-	Edmore
Leon McMannus,	-	-	-	Alma
John Marchmont,	-	-	-	Alma
Anna E. Mahoney,	-	-	-	Elmira
Sadie Messinger,	-	-	-	Alma
Jennie Parke	-	-	-	Indian River
Queenie M. Perry	-	-	-	West Bay City
Mrs. Ada L. Pettyjohn,	-	-	-	Alma
Gladys Pettyjohn,	-	-	-	Alma
Wallace Pettyjohn,	-	-	-	Alma
Charles L. Phelps,	-	-	-	Caro
H. Norman Ronald,	-	-	-	Marlette
Mabel Sayers,	-	-	-	Detroit
Mary E. Sharp,	-	-	-	Alma
Velma Sharp,	-	-	-	Alma
Lester M. Sharp,	-	-	-	Alma
Fannie A. Smith,	-	-	-	Alma

Eliza P. Stark,	-	-	-	-	Otter Lake
Emily S. Stark,	-	-	-	-	Otter Lake
Mabel Terwilliger,	-	-	-	-	Montague
Dudley Tinker,	-	-	-	-	Alma
Fred Vermeulen,	-	-	-	-	Alma
Gertrude Whiting,	-	-	-	-	Alma
Benjamin O. Willebrands,	-	-	-	-	Detroit
Mabel E. Wood,	-	-	-	-	Caro
Blanche Woodward,	-	-	-	-	Alma

THE SCHOOL OF ART.

Louisa A. Andrews,	-	-	-	-	Ann Arbor
Mrs. J. C. Bright,	-	-	-	-	Alma
Mrs. M. P. Bowie,	-	-	-	-	Hesperia
Bessie M. Brodie,	-	-	-	-	Manistee
William E. Brock,	-	-	-	-	Alma
Mabel Caldwell,	-	-	-	-	Ann Arbor
Mrs. W. C. Clark,	-	-	-	-	Alma
Margaret I. Christie,	-	-	-	-	Kinsman
Jacob C. Foote,	-	-	-	-	Ithaca
Mabelle Graham,	-	-	-	-	Saginaw
Grace M. Grant,	-	-	-	-	Saginaw
Mabelle M. Howard,	-	-	-	-	Munising
Grace R. Hedges,	-	-	-	-	Chicago
Minnie Lovely,	-	-	-	-	Howard City
Anna E. Mahony,	-	-	-	-	Elmira
Grace Messinger,	-	-	-	-	Alma
Mary A. Mitchell,	-	-	-	-	Detroit
Gracia Mouser,	-	-	-	-	North Star
Fern J. Nicholson,	-	-	-	-	Manistique
Myrtle I. Nicholson,	-	-	-	-	Manistique
Mrs. E. S. Pettyjohn,	-	-	-	-	Alma
Wallace Pettyjohn,	-	-	-	-	Alma
Queenie M. Perry,	-	-	-	-	West Bay City
Mrs. F. E. Pollasky,	-	-	-	-	Alma
Mary Pringle,	-	-	-	-	Alma
Anna H. Sanderson,	-	-	-	-	Akron
Edna M. Swigart,	-	-	-	-	Middleton
Mabel Terwilliger,	-	-	-	-	Montague
Mrs. Thompson,	-	-	-	-	Evart
Iza Tracy,	-	-	-	-	Ithaca
Mrs. H. J. Vermeulen,	-	-	-	-	Alma
Camilla M. Wheeler,	-	-	-	-	Northville

CLASS IN ST. LOUIS.

Mrs. Dee Andrews	Miss Delta Andrews
Mrs. Clara Bernard	Mrs. O. M. Everden
Mrs. Mattie Garbutt	Myra Henry
Lena K. Hofstetter	Mrs. Henry Tyroler

CLASS IN ITHACA.

June Ashley	Anna Barber
Mrs. Amos Euen	Mrs. Charles Graham
Georgia Richardson	Mrs. Charles Roland
Edith Sowersby	Beulah Thompson

SUMMARY.

The College.....	56
The Academy.....	50
The Department for Training Kindergarteners.....	21
The Commercial School.....	9
The School of Music.....	59
The School of Art.....	48
	<hr/>
	243
Counted more than once.....	42
Total from Sept. 27, 1899 to April 1, 1900.....	201
Total from April 1, 1899 to April 1, 1900.....	271

CONTRIBUTIONS.

Contributions to Alma College from the Presbyterian churches of Michigan, from April 1, 1899 to April 1, 1900.

Albion,-----	\$ 50 00
Adrian,-----	12 10
Argentine,-----	1 00
Alcona,-----	1 43
Akron,-----	5 00
Alma,-----	111 72
Bay City,-----	59 36
Boyne City,-----	3 50
Blissfield,-----	4 00
Benton Harbor,-----	5 00
Battle Creek,-----	20 00
Big Rapids,-----	20 00
Bloomfield,-----	1 10
Brent Creek,-----	2 50
Black River,-----	1 00
Bay City, Memorial Church, Missionary Society,-----	15 00
Calumet,-----	11 00
Caledonia,-----	1 35
Caro,-----	35 00
Coldwater,-----	5 36
Conway,-----	1 00
Concord,-----	2 00
Clayton,-----	2 50
Cass City,-----	5 00
Columbia,-----	3 00
Detroit, Scovel Church,-----	5 00
" Immanuel Church,-----	4 70
" Calvary Church,-----	5 00
" Westminister Church,-----	68 40
" Memorial Church,-----	3 95
" Trumbull Ave. Church,-----	44 50
Dunkirk,-----	1 75
Deerfield,-----	1 00
Elk,-----	1 00
East Jordan,-----	4 00
Fife Lake,-----	2 50
Fairgrove,-----	6 25
Fenton,-----	48 30
Grand Rapids, First Church,-----	11 00
" " Westminister Church,-----	5 45

Grand Haven,.....	\$ 25 18
Holly,.....	18 30
Holt,.....	2 00
Harbor Springs,.....	7 51
Ithaca,.....	10 00
Ishpeming,.....	12 63
Jackson,.....	10 00
Kalamazoo, North Church,.....	2 21
Lansing, Franklin-st. Church,.....	16 00
" First Church,.....	2 91
Linden,.....	3 00
Lapeer,.....	6 90
Mason,.....	7 03
Muir,.....	1 00
Mt. Pleasant,.....	10 25
Munday,.....	3 00
Mt. Clemens,.....	2 15
Manistique,.....	5 00
Maple Ridge,.....	1 00
Midland,.....	20 00
Monroe,.....	5 73
Marquette,.....	20 00
Munger,.....	3 00
Newberry,.....	2 50
Northville,.....	25 30
Petoskey,.....	42 66
Palmyra,.....	7 00
Port Hope,.....	1 50
Pickford,.....	1 07
Plainfield,.....	2 00
Petersburg,.....	1 00
Pontiac,.....	28 42
Quincy,.....	5 00
Reading,.....	3 04
Saginaw, W. S., Grace Church,.....	2 70
" Second ".....	1 60
St. Ignace,.....	1 07
Springfield,.....	8 40
Sturgis,.....	34 00
Unadilla,.....	3 00
West Bay City, Westminister,.....	18 00
White Lake,.....	5 60
Wyandotte,.....	4 25

Waterville,	\$ 4 00
Ypsilanti,	30 01

Contributions from Individuals for General Purposes.

Rev W. S. Potter,	\$ 5 00
R. W. Pierce,	5 00
Hon. N. B. Bradley,	500 00
A. W. Wright,	1072 30

Donations to Endowment Fund.

Wright & Davis,	\$31000 00
F. C. Stone,	15000 00
W. T. Knowlton,	2500 00
Abbe A. Lull,	500 00
Jennie and Helen Wells,	25000 00
A. W. Wright,	50000 00
James Mitchell,	500 00
N. B. Bradley,	25 000 00
Emeline Penoyer,	500 00
Thos. Merrill,	500 00
W. A. Heartt,	1000 00
First Presbyterian Church, Saginaw,	500 00
J. H. Plum,	500 00

Contributions for Special Purposes.

Mrs. Sarah H. Lancashire, Students' Fund	\$ 10 00
Mrs. Helen M. Gould, Scholarship,	30 00
G. M. Stark, Physical Laboratory,	40 00
Abbe A. Lull, Scholarship,	30 00
Mrs. Emiline Penoyer, Scholarship,	30 00
A. W. Wright, Library,	145 00
Mrs. Edith M. Davis, Scholarship,	30 00
John W. S. Pierson, Scholarship,	30 00
Mrs. Sarah H. Lancashire, Library,	200 00
E. T. Carrington, Scholarship,	30 00
Mrs. E. T. Carrington, Scholarship,	30 00
A. W. Wright, Synodical Excursion,	50 00
Charles H. Davis, Synodical Excursion,	10 00
Prof. James E. Mitchell, Scholarship,	5 75
C. B. Chatfield, Scholarship,	30 00
R. S. Tracy, Scholarship,	10 00
J. M. Kelton, Scholarship,	30 00
W. A. Heartt, Lectures,	50 00
J. H. Plum, Library,	125 00
D. B. Perry, Scholarship,	530 00
S. M. Cutcheon, Scholarship,	30 00
T. R. Shaver, Scholarship,	30 00
Dr. D. M. Cooper, Scholarship,	30 00
W. F. Pierson, Scholarship,	30 00
Mrs. Sarah H. Lancashire, Gift of Land,	1200 00
Charles H. Davis, Gift of Land,	1000 00
A. W. Wright, Gift of Land,	100 00
A. W. Wright, Apparatus and Other Improvements,	600 00
Col. Aaron T. Bliss, Students' Fund,	150 00

LIST OF ALUMNI.

Class of 1891.

Bernice Hunting,	-	-	-	Tripoli, Syria
Alfred Field Pratt,	-	-	-	Campbell, N. Y.
Bertha May Trask,	-	-	-	Saginaw, W. S.

Class of 1892.

Mrs. Henry P. Streng (nee Mary Cook,)	-	-	-	Chicago, Ill.
Francis Wayland Eply,	-	-	-	New Whatcom, Washington
Katherine Slater,	-	-	-	Mt. Pleasant
Ralph C. Ely,	-	-	-	Detroit

Class of 1893.

Chas. E. Blanchard,	-	-	-	Big Rapids
Bessie Campbell McLean,	-	-	-	Keeseville, N. Y.
*H. A. Ransom,	-	-	-	Muir
Jas. E. Mitchell,	-	-	-	Alma
*Mrs. Jas. E. Mitchell, (nee Lucy Plum,)	-	-	-	Alma
Mrs. A. F. Waldo (nee Josephine Hodges,)	-	-	-	Havre de Grace, Md.
Matie C. Hill,	-	-	-	Flint
Mary O. Hunting,	-	-	-	Pekin, Ill.

Class of 1894.

Esther Hewitt Marsh,	-	-	-	Grand Rapids
Frank Marsh,	-	-	-	Grand Rapids

Class of 1895.

Arthur L. Toner,	-	-	-	Ithaca
Ralph Flewelling,	-	-	-	Bellaire
Ambrose B. Wight,	-	-	-	Chicago, Ill.

Class of 1896.

L. S. Brooke,	-	-	-	Elk Rapids
Fred Fullerton,	-	-	-	Alma
Richard H. Sidebotham,	-	-	-	Taiken, Corea
Elizabeth Jones,	-	-	-	Bismark, N. D.
Winifred E. Heston,	-	-	-	Cincinnati, O.
Mrs. John McKee, (nee Clara Booth)	-	-	-	Bangkok, Siam
Anna Girmus,	-	-	-	Anna, Ill.
Jos. T. Norton,	-	-	-	Herbon, Ill
Wm. A. Howe,	-	-	-	Omer
Edward Clark Marsh,	-	-	-	Ann Arbor

*Deceased

Class of 1897.

Gratia G. Dunning,	-	-	-	Alma
Letta B. Burns,	-	-	-	Brooklyn, N. Y.
A. John VanPage,				McCormick Seminary, Chicago Ill
Jacob Klasse,				Princeton Seminary, Princeton, N. J.
Kendall P. Brooks,	-	-	-	Ann Arbor

Class of 1898.

Frances Dustin Adams,	-	-	-	Sault Ste. Marie
Birdsey Scott Bates,				McCormick Seminary, Chicago, Ill.
Paul Hale Bruske,	-	-	-	Grand Rapids
James Irving Crane,				McCormick Seminary, Chicago, Ill.
Sherman Landon Divine,				McCormick Seminary, Chicago, Ill.
Elmer M. Eckard, M. D.,	-	-	-	Alma
Maurice Grigsby,				McCormick Seminary, Chicago, Ill.
William Henry Long				Princeton Seminary, Princeton, N. J.
Franklin Warren McCabe,	-	-	-	Bay City
Mertha Peters,	-	-	-	Wyandotte
Charles Ernest Scott,				Princeton Seminary, Princeton, N. J.
John Bartlett Stevens,				Princeton Seminary, Princeton, N. J.

Class of 1899.

Maud Hartness Bishop,	-	-	-	Harbor Springs
Frances Thorne Booth,	-	-	-	Berea College, Ky.
Weston T. Johnson,				Princeton Seminary, Princeton, N. J.
Harry Erastus Porter,	-	-	-	Lane Seminary, Cincinnati, O.



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